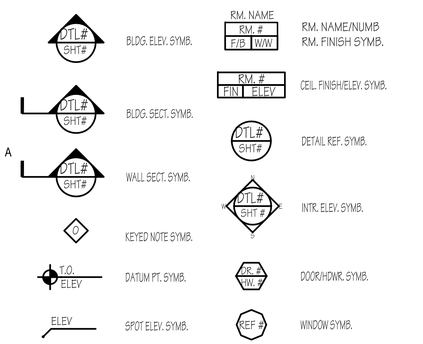
SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS
STUDENT CENTER IMPROVEMENTS

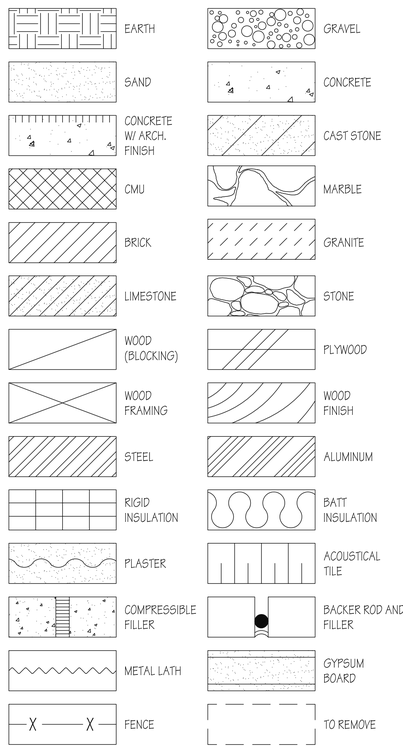
GENERAL ABBREVIATIONS

Acc.	Accoustic Ceiling Tile	Galv	Galvanized	Q.T.	Quarry Tile
Alt.	Alternate	G.I.	Galvanized Iron	Rad.	Radius
Alum.	Aluminum	Ga.	Gauge	R.B.	Rubber Base
A.B.	Anchor Bolt	Gl.	Glass	R.W.L.	Rain Water Leader
&	And	Gr.	Grade	R.F.F.	Reference Finish Floor
Arch.	Architectural	Gnd.	Ground	Refl.	Reflected
@	At or At The	Gyp. Bd.	Gypsum Board	Reinf.	Reinforcing
Bm.	Beam	GWB	Gypsum Waterproof Board	Req.	Required
Blk.	Block	H.D.P.E.	High Density Polyethylene	Ret.	Retaining
Blkg.	Blocking	HG#	Hardware Group #	Rev.	Revised
Bd.	Board	Hdwd.	Hardwood	R.	Riser
Bot.	Bottom	Ht.	Height	R.D.	Roof Drain
Bldg.	Building	H.P.	High Point	Rm.	Room
Cpt.	Carpet	Horiz.	Horizontal	R.O.	Rough Opening
Clkg.	Caulking	H.B.	Hose Bibb	Sched.	Schedule
C.I.	Cast Iron	H.M.	Hollow Metal	Seal.	Sealant
Clg.	Ceiling	Hr.	Hours (Fire Rating)	Sect.	Section
Cem.	Cement	In.	Inch	S.Sk.	Service Sink
Ctr.	Center	I.D.	Inside Diameter	Sht.	Sheet
C	Center Line	Insul.	Insulation	Sim.	Similar
Cer.	Ceramic	Int.	Interior	SI/Slp.	Slope
C.T.	Ceramic Tile	I.E.	Invert Elevation	S.C.	Solid Core
Clr.	Clear (ance)	Inv.	Invert Elevation	Spec.	Specifications
Clo.	Closet	Jan.	Janitor	Sq.	Square
Col.	Column	Jt.	Joint	Std.	Standard
Conc.	Concrete	J-Box	Junction Box	Stl.	Steel
CMU	Concrete Masonry Unit	Kit.	Kitchen	Stor.	Storage
CMP	Corrugated Metal Pipe	Lam.	Laminate	Struct	Structural/Structure
Conn.	Connection	Lav.	Lavatory	Sym.	Symmetrical
Constr.	Construction	Lt.	Light	T.B.R.	To be Removed
Cont.	Continue/Continuous	L.P.	Low Point	Tel.	Telephone
Contr.	Contractor	Matl.	Material	Temp.	Temporary/Tempered
C.J.	Control Joint	Mas.	Masonry	Thk.	Thick (ness)
Corr.	Corridor	Maint.	Maintenance	T & G	Tongue and Groove
Cntr.	Counter	Mfr.	Manufacturer	T/Conc	Top of Concrete
Ctsk.	Countersunk	M.H.	Manhole	T/Curb	Top of Curb
Det.	Detail	M.O.	Masonry Opening	T.O. FTG.	Top of Footing
Dept.	Department	Max.	Maximum	T.O.P.	Top of Plate
Dia.	Diameter	Mech.	Mechanical	T/Wall	Top of Wall
Dim.	Dimension	Memb.	Membrane	T.	Tread
Dn.	Down	Men	Men's Toilet	Typ.	Typical
D.S.	Downspout	Mtl./Met.	Metal	Unf.	Unfinished
Dwg.	Drawing	Min.	Minimum	U.N.O.	Unless Noted Otherwise
D.F.	Drinking Fountain	Mir.	Mirror	Var.	Vary or Varies
E.	East	Misc.	Miscellaneous	Vert.	Vertical
Ea.	Each	Mtd.	Mounted	V.T.R.	Vent Through Roof
Elec.	Electric (al)	Mul.	Mullion	VCT	Vinyl Composition Tile
Elev./El.	Elevation	Nom.	Nominal	w/	With
Exist.	Existing	N.	North	W.A.S.	Welded Anchor Stud
Eq.	Equal	N.I.C.	Not In Contract	Wd.	Wood
Equip.	Equipment	N.T.S.	Not To Scale	Wp.	Waterproof
Exist.	Existing	No. or #	Number	Wsct.	Wainscot
Exp.	Expansion	Off.	Office	w/o	Without
Ext.	Exterior	O.C.	On Center	W.P.	Working Point
Fin.	Finish	Opng.	Opening	W.R.	Water Resistant
F.A.	Fire Alarm	Opp.	Opposite	W.I.	Wrought Iron
F.E.	Fire Extinguiser	Opp. H.	Opposite Hand		
F.E.C.	F.E. Cabinet	O.D.	Outside Diameter		
Flr./Fl.	Floor	O.R.D.	Overflow Roof Drain		
F.D.	Floor Drain				
F.O.S.	Face of Stud				
F.O.W.	Face of Wall				
Ftg.	Footing				
Fdn.	Foundation				
F.F.	Finish Floor				

GRAPHIC SYMBOLS



MATERIALS LEGEND



CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006	ADA Accessiblity Guildelines	1994
International Fire Code	2006		
International Energy Conservation Code	2006		

A. Occupancy and Group: B A-3

Change in Use: Yes ____ No X Mixed Occupancy: Yes X No ____

Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: N/A Design Wind Speed: N/A mph

C. Type of Construction (circle one):

I A	I B	(II A)	II B	III A	III B	IV HT	V A	V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: Y Nonseparated Uses: ____

F: Sprinklers: BASEMENT ONLY

Required: YES Provided: NO Type of Sprinkler System: WET

G: Number of Stories: 2 Building Height: 36'-0"

H: Actual Area per Floor (square feet): BASEM. 42,383 SF, 1ST 60,203 SF, 2ND 65,251 SF

I: Tabular Area: N/A

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_t\, I_f}{100}\right] + \left[\frac{A_t\, I_s}{100}\right]$ $\qquad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$$

c) Total Allowable Area for:

1) One Story: ____

2) Two Story: $A_a(2)$ 159,600 SF / 119,600 SF RATIO= .58 / .27

3) Three Story: $A_a(3)$ ____

d) Unlimited Area Building: Yes ____ No X Code Section: ____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	4 HR		Floors - Ceiling Floors	2 HR	
Interior Bearing Walls	2 HR		Roofs - Ceiling Roofs	1 HR	
Exterior Non-Bearing Walls	4 HR		Exterior Doors and Windows		
Structural Frame	2 HR		Shaft Enclosures	2 HR	
Partitions - Permanent	1 HR		Fire Walls		
Fire Barriers			Fire Partitions		
			Smoke Partitions		

PROJECT DIRECTORY

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VAN BOERUM & FRANK ASSOCIATES
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Salt Lake City, Utah 84111
(801) 530.3150

ELECTRICAL

THOMAS & KOLKMAN ENGINEERS
64 WEST 1700 SOUTH
Salt Lake City, Utah 84115
(801) 484-8161

DRAWING INDEX

ARCHITECTURAL DRAWINGS

G1101	GENERAL INFORMATION, SHEET INDEX AND TITLE SHEET
AS101	SITE KEY PLAN
AS102	ENLARGED SITE DEMOLITION PLAN
AS103	ENLARGED SITE PLAN
AD101	BASEMENT DEMO FLOOR PLAN & REFLECTED CEILING PLAN
AD110	FIRST FLOOR DEMO KEY PLAN
AD111	ENLARGED DEMO FIRST FLOOR PLAN
AD112	ENLARGED DEMO 1ST FLOOR REFLECTED CEILING PLAN
AD113	ENLARGED DEMO FIRST FLOOR PLAN
AD121	ENLARGED DEMO 2ND FLOOR PLAN
AD122	ENLARGED DEMO 2ND FLOOR REFLECTED CEILING PLAN
AE100	BASEMENT KEY FLOOR PLAN
AE101	ENLARGED BASEMENT FLOOR PLAN & REFLECTED CEILING PLAN
AE110	FIRST FLOOR KEY PLAN
AE111	ENLARGED FIRST FLOOR PLAN
AE112	ENLARGED FIRST FLOOR PLAN & REFLECTED CEILING PLAN
AE113	ENLARGED FIRST FLOOR REFLECTED CEILING PLAN
AE120	SECOND FLOOR KEY PLAN
AE121	ENLARGED SECOND FLOOR PLAN
AE122	ENLARGED SECOND FLOOR REFLECTED CEILING PLAN
AE401	INTERIOR ELEVATIONS
AE402	CASEWORK ELEVATIONS & DETAILS
AE501	STAIR PLAN, STAIR SECTION & DETAILS
AE502	GUARDRAIL DETAILS
AE601	DOOR SCHEDULE AND DETAILS

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L1.1	PLANTING & IRRIGATION PLANS
L2.1	LANDSCAPE DETAILS

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SE001	GENERAL STRUCTURAL NOTES
SE002	GENERAL STRUCTURAL NOTES
SF101	STAIR FOOTING AND FOUNDATION / FRAMING PLANS
SF501	STAIR FRAMING DETAIL SHEET
SF502	STAIR FRAMING DETAIL SHEET
SF503	STAIR DETAILS AND SCHEDULES

MECHANICAL DRAWINGS

M-001	MECHANICAL SYMBOLS AND ABBREVIATIONS
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MH120	SECOND FLOOR MECHANICAL PLAN
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ELECTRICAL DRAWINGS

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E-102	FIRST FLOOR ENTRIES ELECTRICAL PLAN
E-103	GAME ROOM AND NORTH ENTRY SITE ELECTRICAL PLANS
ED101	SECOND FLOOR LIGHTING DEMOLITION PLAN
ED102	SECOND FLOOR POWER DEMOLITION PLAN
EL101	SECOND FLOOR NEW LIGHTING PLAN
EP101	SECOND FLOOR NEW POWER PLAN
E-601	SYMBOL LIST, SCHEDULES AND DETAILS
FD101	SECOND FLOOR FIRE ALARM DEMOLITION PLAN
FA101	SECOND FLOOR NEW FIRE ALARM PLAN

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MARK	DATE	DESCRIPTION

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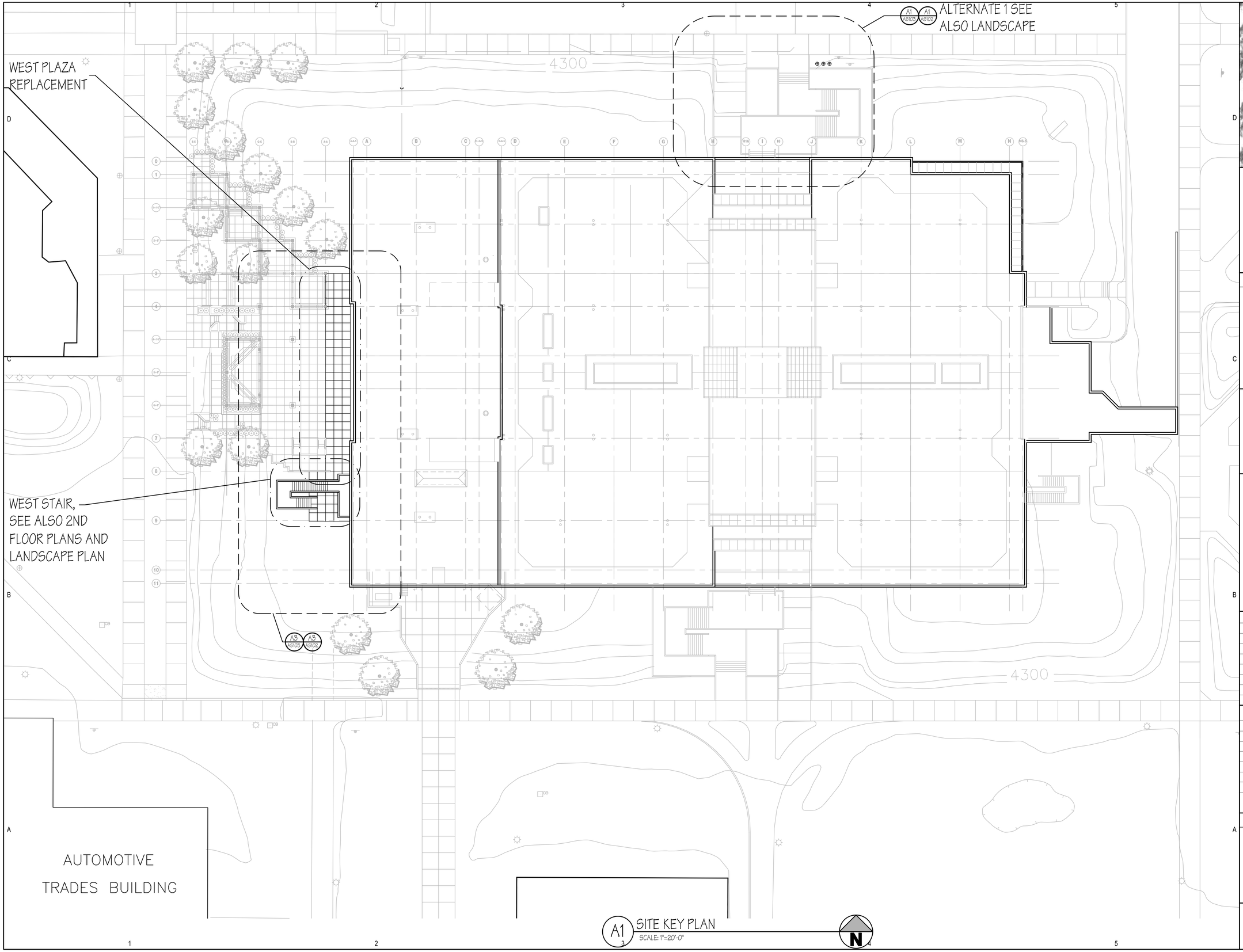
DFCM PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	
DRAWN BY:	
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL INFO., SHEET INDEX AND TITLE SHEET

G1101

SHEET 1 OF



A1 SITE KEY PLAN
SCALE: 1"=20'-0"

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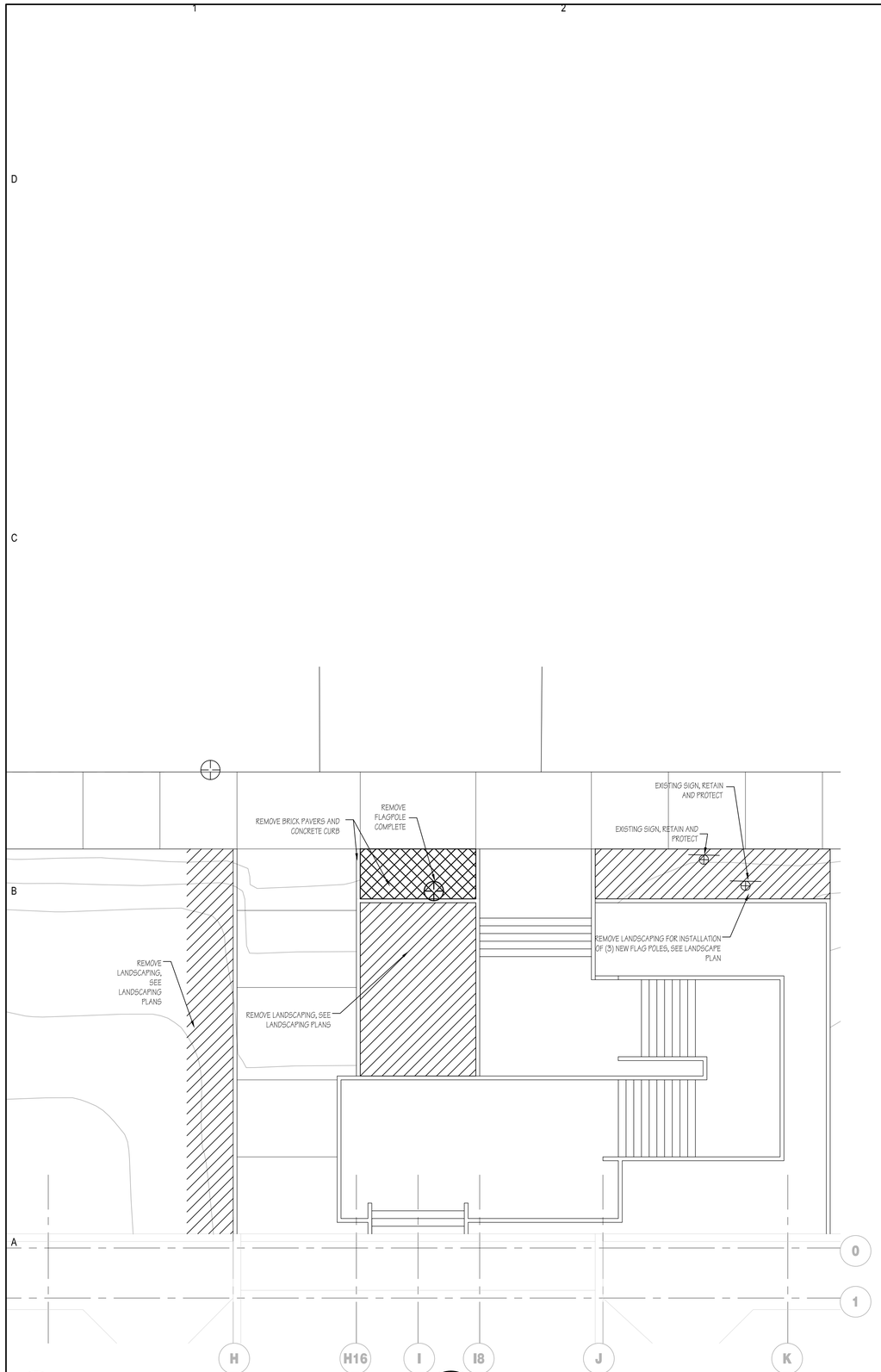
SHEET TITLE

SITE KEY PLAN

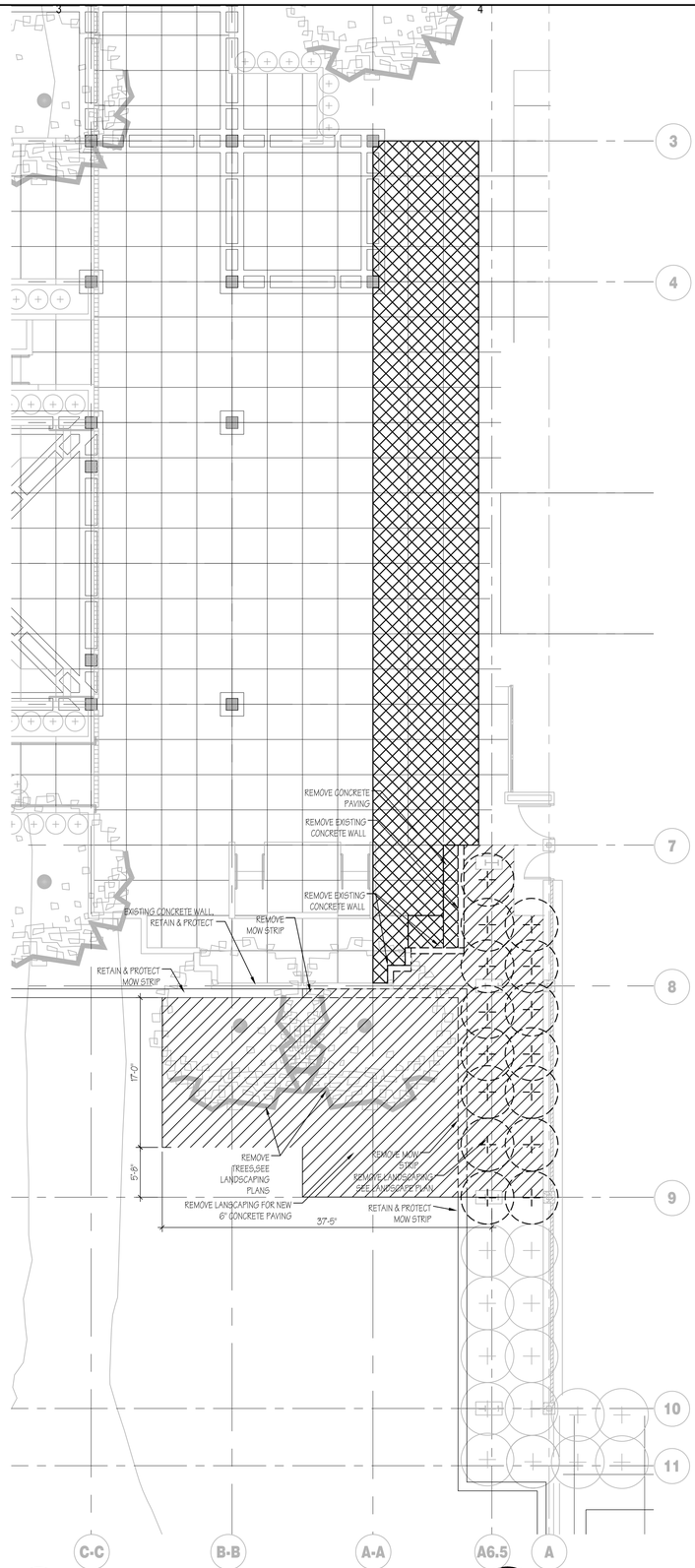
AS101

SHEET 2 OF



A1 ENLARGED DEMO NORTH ENTRY SITE PLAN

SCALE: 1/8"=1'-0"



A3 ENLARGED WEST DEMOLITION SITE PLAN

SCALE: 1/8"=1'-0"

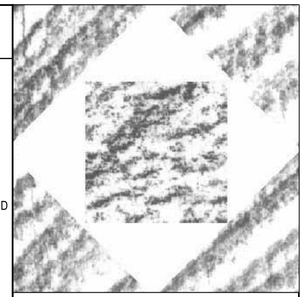
DEMOLITION SITE LEGEND

A. REMOVE LANDSCAPING COMPLETE.

B. REMOVE CONCRETE PAVING COMPLETE.

C. REMOVE CONCRETE WALL COMPLETE.

D. REMOVE SHRUBS COMPLETE, SEE LANDSCAPE PLAN



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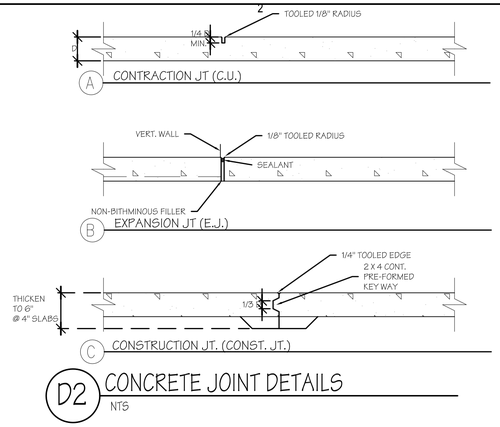
SHEET TITLE

ENLARGED DEMO SITE PLAN

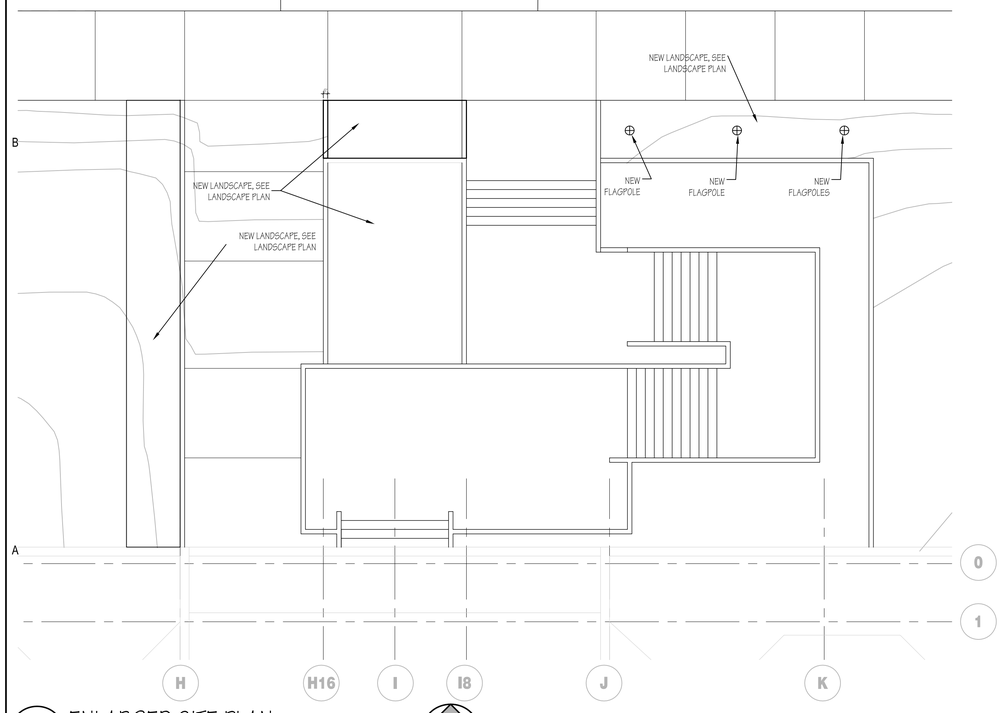
AS102

SHEET 3 OF



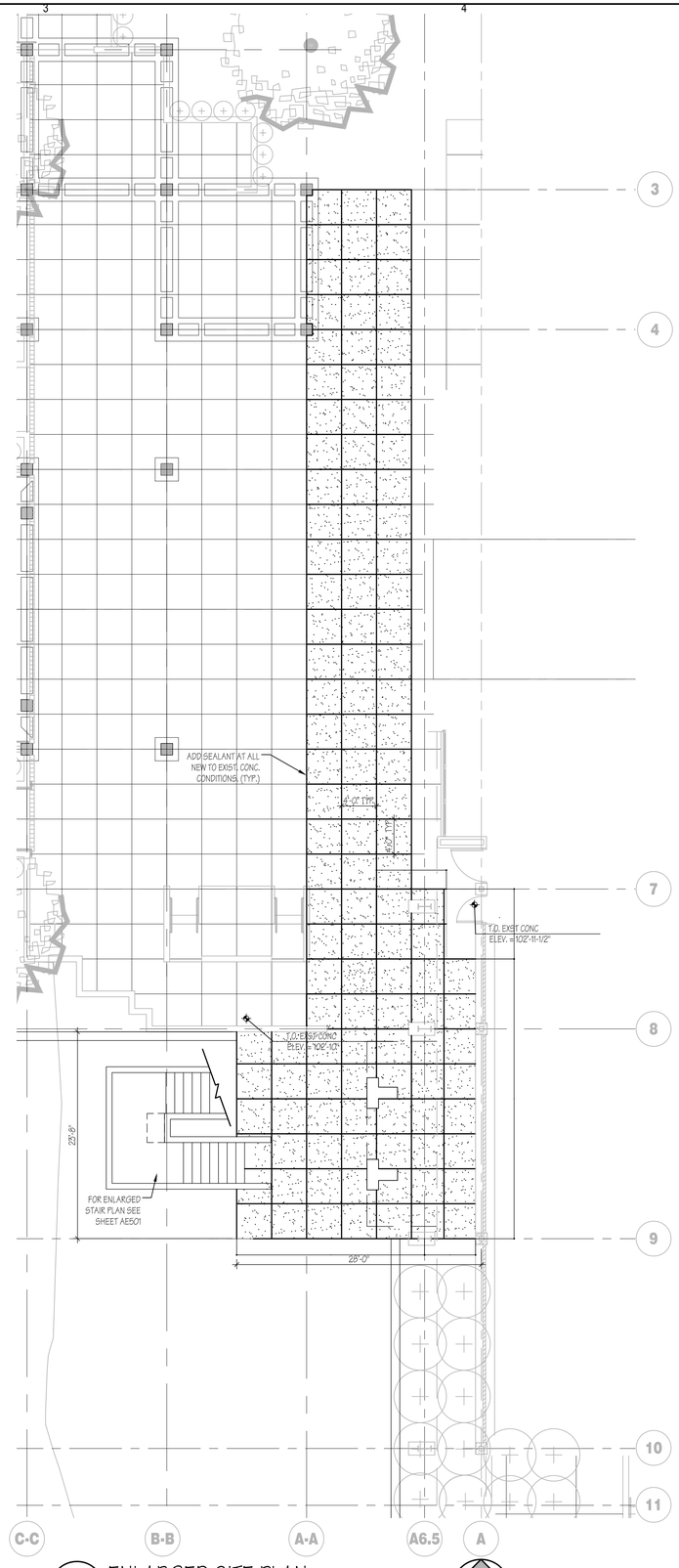
D2 CONCRETE JOINT DETAILS

NTS



A1 ENLARGED SITE PLAN

SCALE: 1/8"=1'-0"



A3 ENLARGED SITE PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES

A. ALL DIMENSIONS TAKEN FROM FINISHED FACE AND/OR CENTER LINE OF NEW AND EXISTING WALLS.

B. IF A CONFLICT OCCURS BETWEEN DRAWINGS, DRAWINGS AND SPECIFICATIONS, SPECIFICATION SECTIONS AND DIVISIONS OR BETWEEN OTHER PARTS OF THESE CONSTRUCTION DOCUMENTS OR THESE DOCUMENTS AND ANY CODE REQUIREMENT, THE CONTRACTOR MAY REQUEST CLARIFICATION DURING THE BIDDING PERIOD. OTHERWISE THE MOST STRINGENT REQUIREMENTS SHALL APPLY AND BE PART OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

C. ALL WORK AND MATERIALS SHALL BE IN FULL CONFORMANCE WITH THE LATEST FEDERAL, STATE AND LOCAL CODES LAWS AND ORDINANCES. INCLUDING THEIR MOST RECENT REVISIONS, AMENDMENTS AND INTERPRETATIONS.

D. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT, FOR IMMEDIATE RESOLUTION, ANY NON-CONFORMING CONDITIONS WHICH MAY BE FOUND IN EXISTING FIELD CONDITIONS.

E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

SITE LEGEND

1. SEE D2/AS103 FOR CONTRACTION JOINT (C.J.) AND EXPANSION JOINT (E.J.) DETAILS

NEW 6" CONC. SLAB

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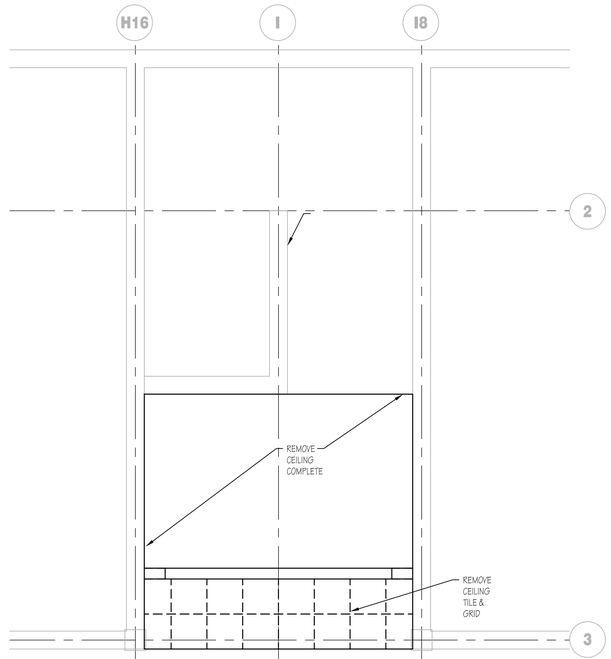
CAD DWG FILE NO:	
DRAWN BY:	SAM
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

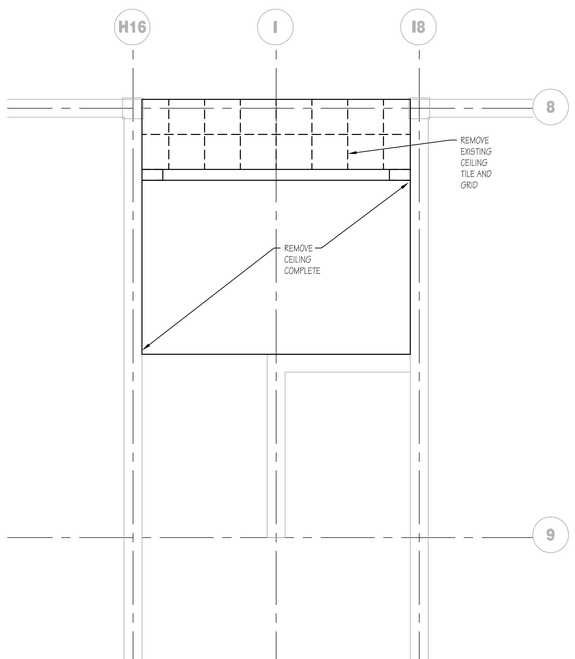
ENLARGED SITE PLAN

AS103

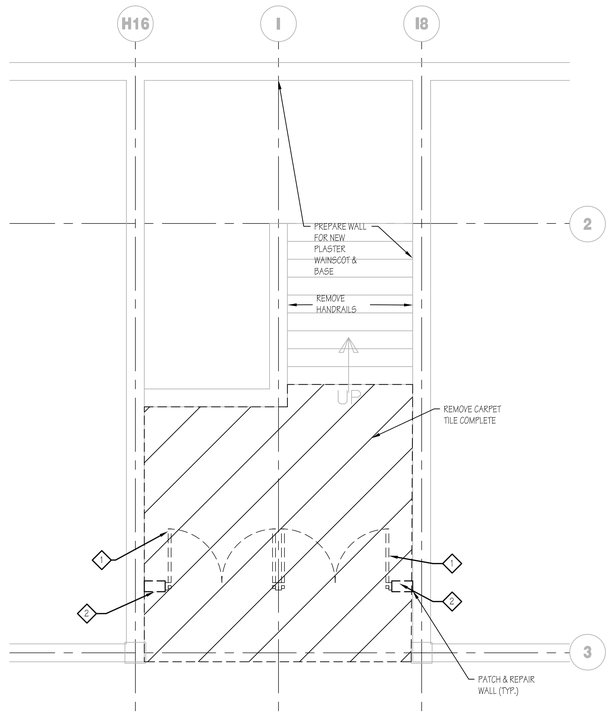
SHEET 4 OF



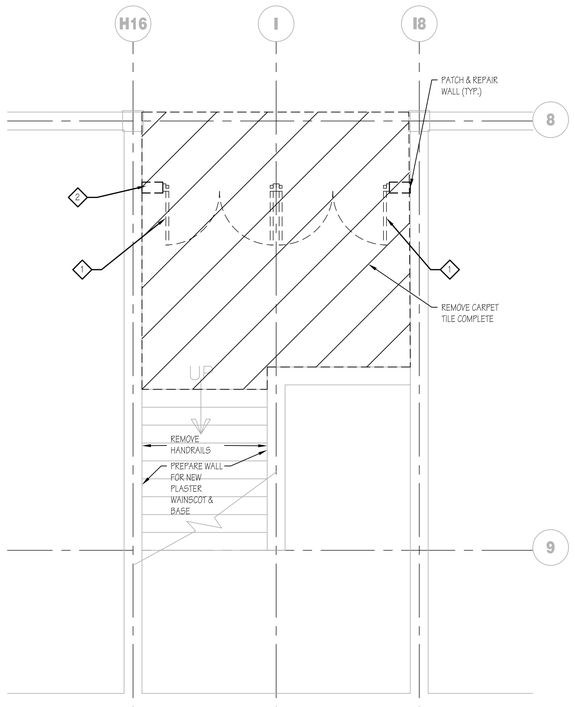
C2 NORTH BASEMENT DEMO REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



C4 SOUTH BASEMENT DEMO REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



A2 NORTH BASEMENT DEMOLITION PLAN
SCALE: 1/4"=1'-0"



A4 SOUTH BASEMENT DEMOLITION PLAN
SCALE: 1/4"=1'-0"

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL PERFORM ALL DEMOLITION AND PREPARATION WORK AS SHOWN ON DRAWINGS AND AS REQUIRED FOR A COMPLETE AND PROPER JOB. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO VERIFY EXTENT OF REQUIRED DEMOLITION AND PREPARATION WORK. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL DEMOLITION ITEMS IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL LAWS.

B. ALL ITEMS NOT INDICATED FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED. ANY ITEMS DAMAGED SHALL BE REPAIRED TO MATCH THE ADJACENT SURFACE.

C. SEE ELECTRICAL & MECHANICAL FOR ADDITIONAL INFORMATION.

DEMOLITION KEYED NOTES

1. REMOVE DOOR & FRAME COMPLETE AND SALVAGE TO OWNER.
2. REMOVE GYPSUM BOARD WALL COMPLETE.
3. REMOVE GLASS, FRAME AND DOORS COMPLETE AND SALVAGE TO OWNER.
4. OWNER TO REMOVE SHELVING.
5. REMOVE EXTERIOR WALL AND GLASS COMPLETE.
6. REMOVE COUNTERTOP COMPLETE.
7. REMOVE RECEPTION DESK COMPLETE.
8. REMOVE AND RE-INSTALL COUNTERTOP, SEE PLAN AE121 FOR LOCATION.
9. REMOVE OVERHEAD CABINETS COMPLETE.
10. REMOVE LAY-IN CEILING TILE AND GRID COMPLETE. PATCH & REPAIR TO EXISING CEILING GRID & TILE.
11. MODIFY PARTITION WALL TO 3'-0" AFF.
12. REMOVE FIRE CABINET EXTINGUISHER TO BE RELOCATED, SEE PLAN FOR LOCATION.
13. REMOVE THERMOSTAT TO BE RELOCATED, SEE PLAN FOR LOCATION.
14. REMOVE DOOR AND FRAME COMPLETE TO BE REINSTALLED, SEE PLAN FOR LOCATION.
15. REMOVE DOOR ONLY TO BE REPLACED AND SALVAGE TO OWNER.
16. REMOVE PARTITION WALL FOR THE OPENING OF RELOCATED DOOR AND FRAME.

DEMOLITION LEGEND

A. REMOVE FLOOR FINISH AND BASE (WHERE OCCURS) COMPLETE.

B. REMOVE PLASTER CEILING FINISH COMPLETE.

C. REMOVE METAL STUD GYP. BD. WALL SYSTEMS.

D. REMOVE DOOR AND FRAME COMPLETE.

E. REMOVE CEILING TILE AND GRID COMPLETE.

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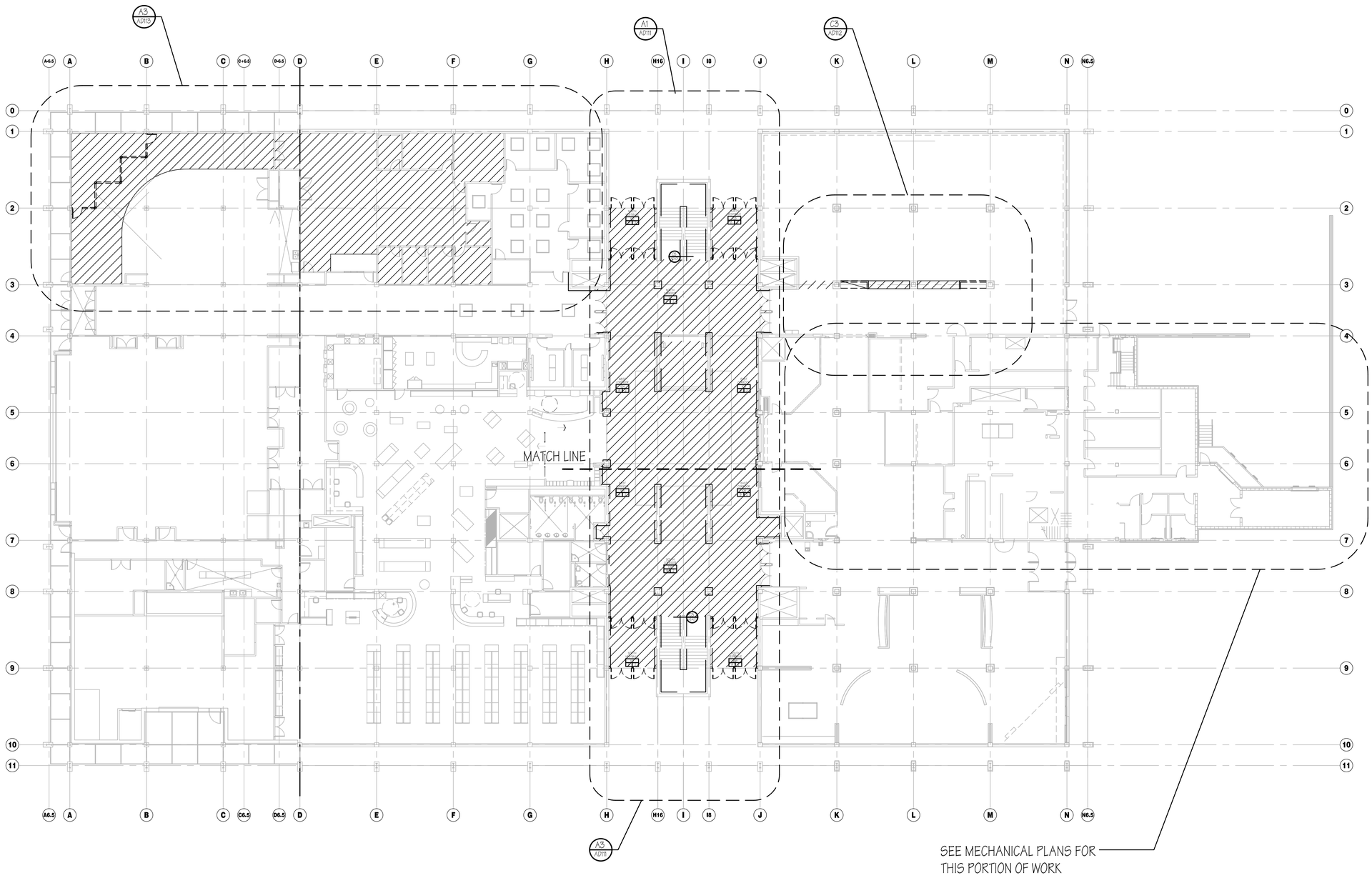
SHEET TITLE

ENLARGED BASEMENT DEMO FLR & REFL. CEILING PLAN

AD101

SHEET 5 OF



A2 FIRST FLOOR DEMO PLAN - KEY PLAN

SCALE: 1/16"=1'-0"

N

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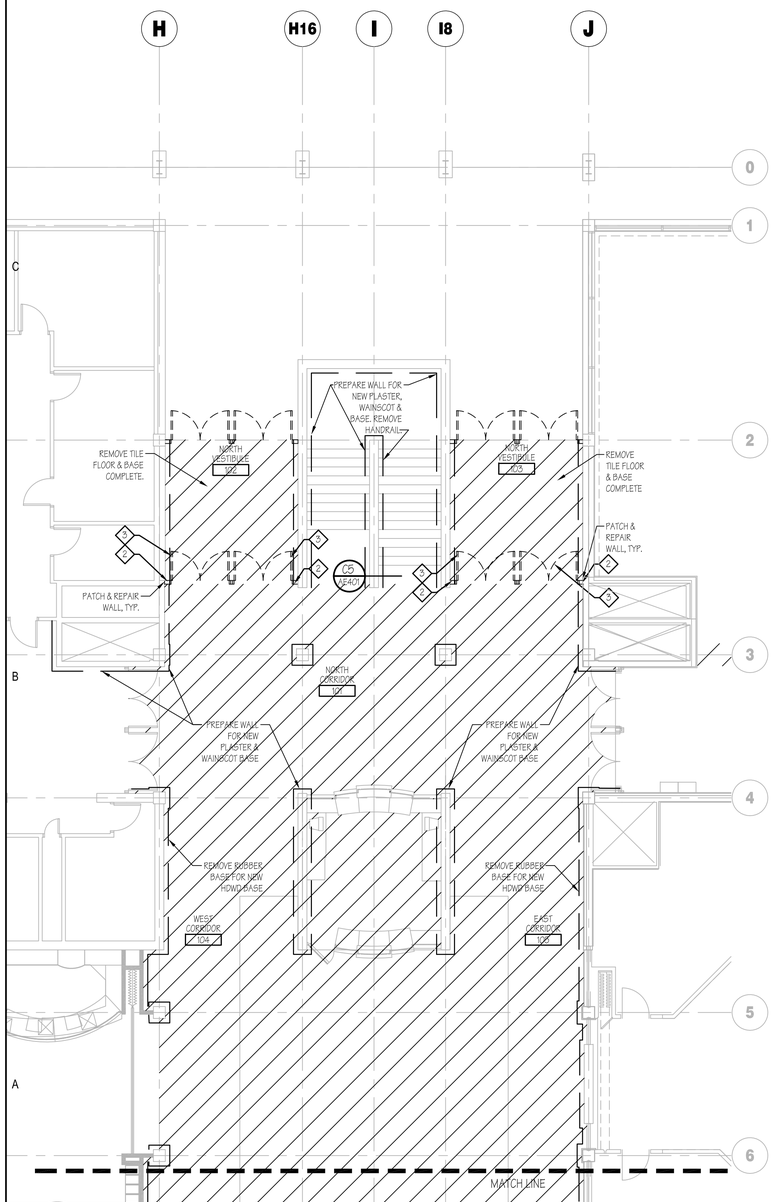
SHEET TITLE

FIRST FLOOR DEMO KEY PLAN

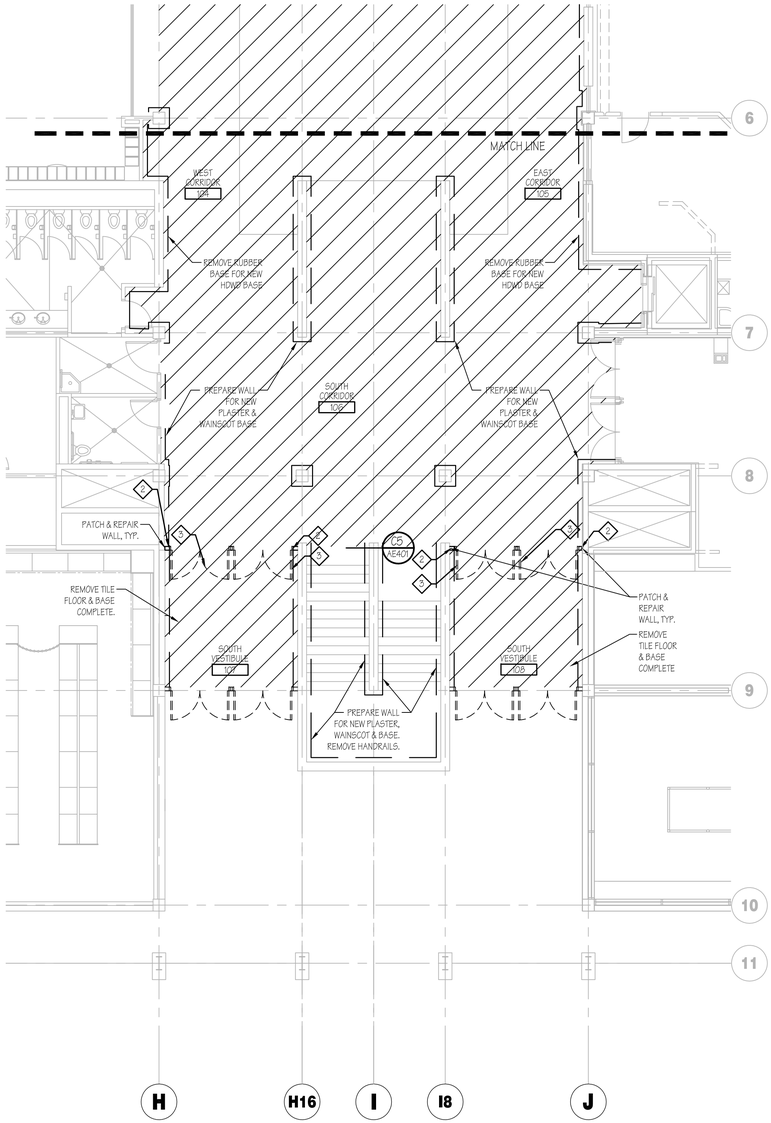
AD110

SHEET 6 OF



A1 NORTH ENTRY DEMO FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"



A3 SOUTH ENTRY DEMO FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL PERFORM ALL DEMOLITION AND PREPARATION WORK AS SHOWN ON DRAWINGS AND AS REQUIRED FOR A COMPLETE AND PROPER JOB. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO VERIFY EXTENT OF REQUIRED DEMOLITION AND PREPARATION WORK. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL DEMOLITION ITEMS IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL LAWS.

B. ALL ITEMS NOT INDICATED FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED. ANY ITEMS DAMAGED SHALL BE REPAIRED TO MATCH THE ADJACENT SURFACE.

C. SEE ELECTRICAL & MECHANICAL FOR ADDITIONAL INFORMATION.

DEMOLITION KEYED NOTES

1. REMOVE DOOR & FRAME COMPLETE AND SALVAGE TO OWNER.
2. REMOVE GYPSUM BOARD WALL COMPLETE.
3. REMOVE GLASS, FRAME AND DOORS COMPLETE AND SALVAGE TO OWNER.
4. OWNER TO REMOVE SHELVING.
5. REMOVE EXTERIOR WALL AND GLASS COMPLETE.
6. REMOVE COUNTERTOP COMPLETE.
7. REMOVE RECEPTION DESK COMPLETE.
8. REMOVE AND RE-INSTALL COUNTERTOP, SEE PLAN AE121 FOR LOCATION.
9. REMOVE OVERHEAD CABINETS COMPLETE.
10. REMOVE LAY-IN CEILING TILE AND GRID COMPLETE. PATCH & REPAIR TO EXISING CEILING GRID & TILE.
11. MODIFY PARTITION WALL TO 3'-0" AFF.
12. REMOVE FIRE CABINET EXTINGUISHER TO BE RELOCATED, SEE PLAN FOR LOCATION.
13. REMOVE THERMOSTAT TO BE RELOCATED, SEE PLAN FOR LOCATION.
14. REMOVE DOOR AND FRAME COMPLETE TO BE REINSTALLED, SEE PLAN FOR LOCATION.
15. REMOVE DOOR ONLY TO BE REPLACED AND SALVAGE TO OWNER.
16. REMOVE PARTITION WALL FOR THE OPENING OF RELOCATED DOOR AND FRAME.

DEMOLITION LEGEND

A. REMOVE FLOOR FINISH AND BASE (WHERE OCCURS) COMPLETE.

B. REMOVE PLASTER CEILING FINISH COMPLETE.

C. REMOVE METAL STUD GYP. BD. WALL SYSTEMS.

D. REMOVE DOOR AND FRAME COMPLETE.

E. REMOVE CEILING TILE AND GRID COMPLETE.

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REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

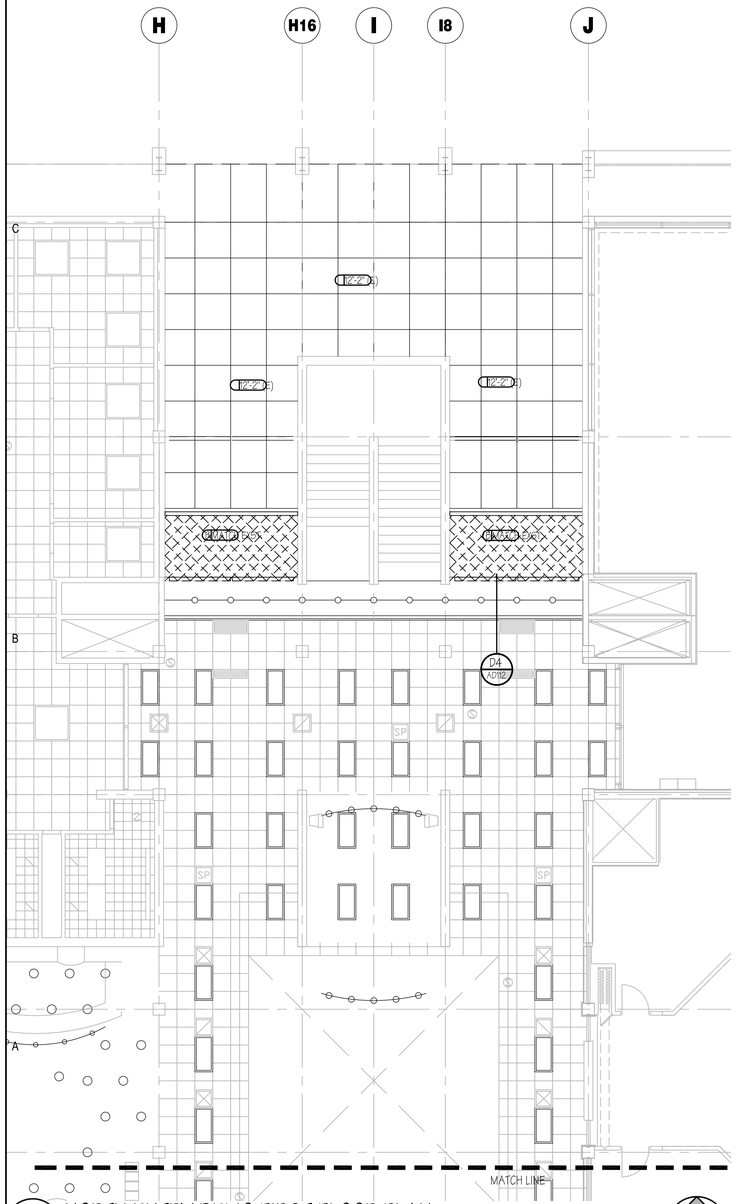
DATE:	JULY 14, 2008
DFCM PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	
DRAWN BY:	
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

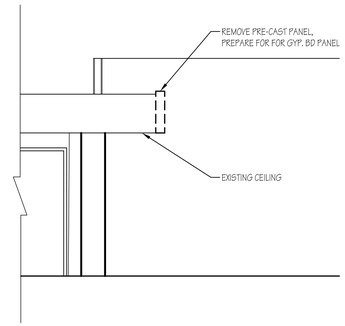
ENLARGED DEMO FIRST FLOOR PLAN

AD111

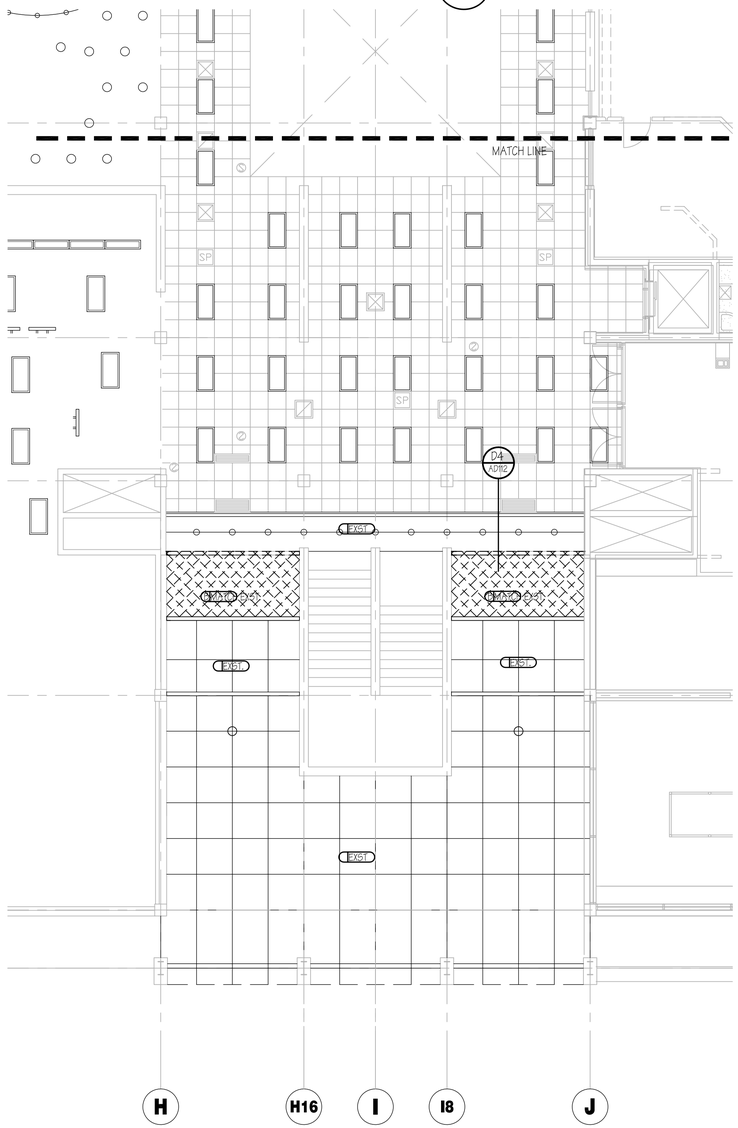
SHEET 7 OF



A1 NORTH ENTRY DEMO FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



D4 CEILING HEAD DEMO
SCALE: 1/4"=1'-0"



A3 SOUTH ENTRY DEMO FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL PERFORM ALL DEMOLITION AND PREPARATION WORK AS SHOWN ON DRAWINGS AND AS REQUIRED FOR A COMPLETE AND PROPER JOB. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO VERIFY EXTENT OF REQUIRED DEMOLITION AND PREPARATION WORK. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL DEMOLITION ITEMS IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL LAWS.

B. ALL ITEMS NOT INDICATED FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED. ANY ITEMS DAMAGED SHALL BE REPAIRED TO MATCH THE ADJACENT SURFACE.

C. SEE ELECTRICAL & MECHANICAL FOR ADDITIONAL INFORMATION.

DEMOLITION KEYED NOTES

1. REMOVE DOOR & FRAME COMPLETE AND SALVAGE TO OWNER.
2. REMOVE GYPSUM BOARD WALL COMPLETE.
3. REMOVE GLASS, FRAME AND DOORS COMPLETE AND SALVAGE TO OWNER.
4. OWNER TO REMOVE SHELVING.
5. REMOVE EXTERIOR WALL AND GLASS COMPLETE.
6. REMOVE COUNTERTOP COMPLETE.
7. REMOVE RECEPTION DESK COMPLETE.
8. REMOVE AND RE-INSTALL COUNTERTOP, SEE PLAN AE121 FOR LOCATION.
9. REMOVE OVERHEAD CABINETS COMPLETE.
10. REMOVE LAY-IN CEILING TILE AND GRID COMPLETE. PATCH & REPAIR TO EXISING CEILING GRID & TILE.
11. MODIFY PARTITION WALL TO 3'-0" AFF.
12. REMOVE FIRE CABINET EXTINGUISHER TO BE RELOCATED, SEE PLAN FOR LOCATION.
13. REMOVE THERMOSTAT TO BE RELOCATED, SEE PLAN FOR LOCATION.
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15. REMOVE DOOR ONLY TO BE REPLACED AND SALVAGE TO OWNER.
16. REMOVE PARTITION WALL FOR THE OPENING OF RELOCATED DOOR AND FRAME.

DEMOLITION LEGEND

A. REMOVE FLOOR FINISH AND BASE (WHERE OCCURS) COMPLETE.

B. REMOVE PLASTER CEILING FINISH COMPLETE.

C. REMOVE METAL STUD GYP. BD. WALL SYSTEMS.

D. REMOVE DOOR AND FRAME COMPLETE.

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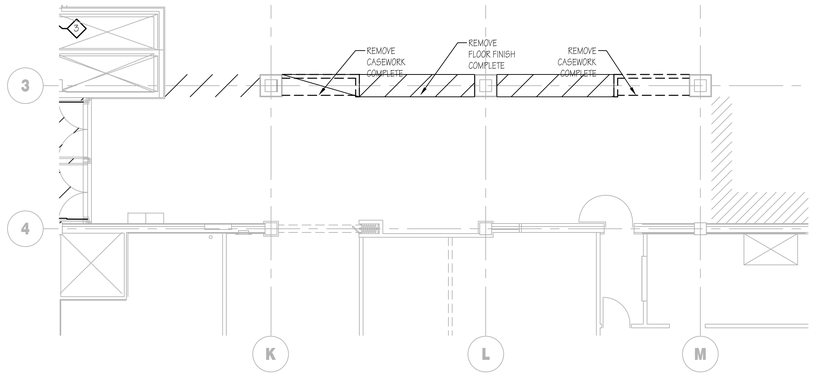
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

ENLARGED DEMO FIRST FLR REFLECTED CEILING PLAN

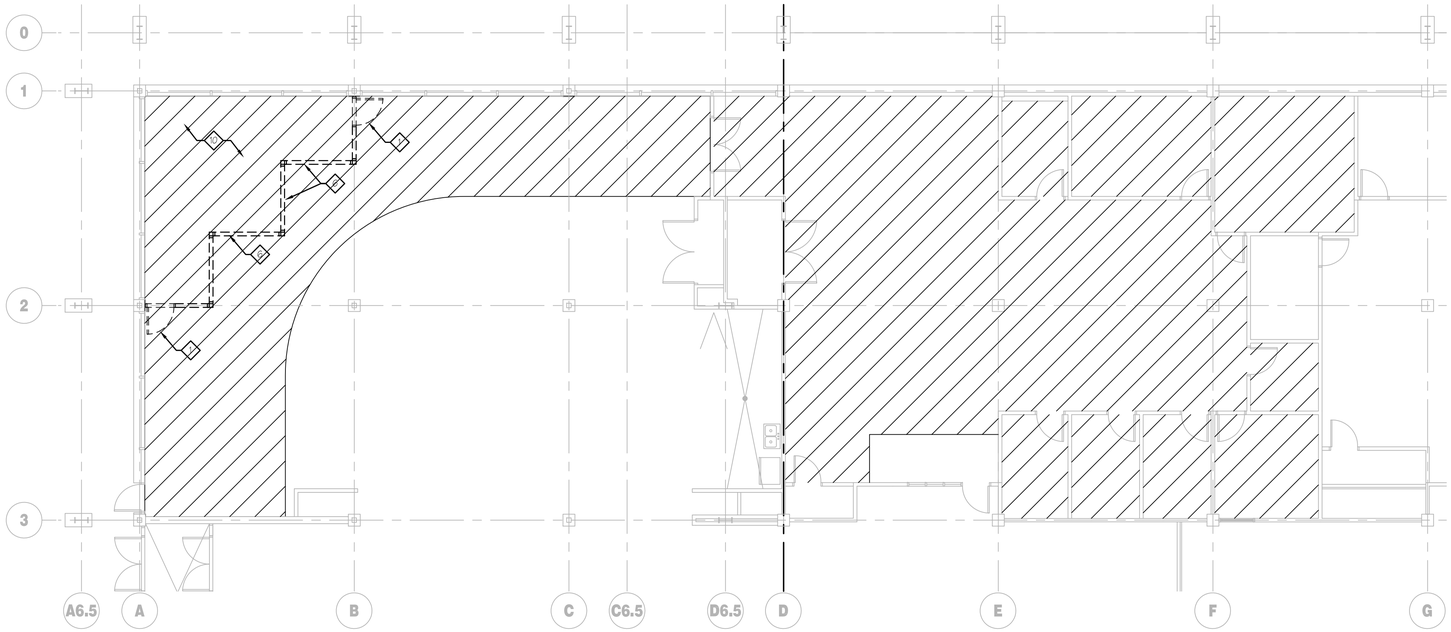
AD112

SHEET 8 OF



C3 ENLARGED CAFETERIA FIRST FLOOR DEMOLITION PLAN

SCALE: 1/8"=1'-0"



A3 ENLARGED GAMING & STUDENT LIFE ROOMS FIRST FLOOR DEMOLITION PLAN

SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES

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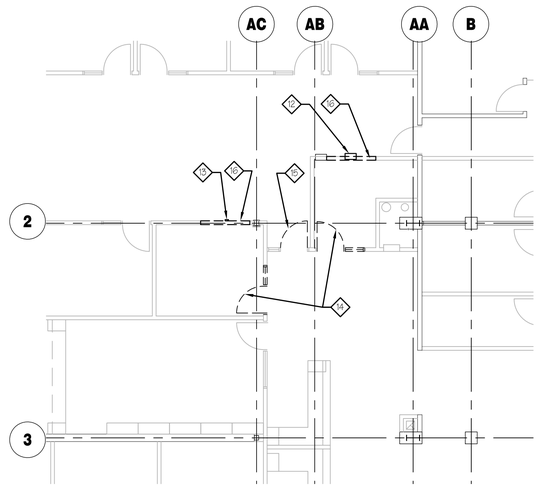
SHEET TITLE

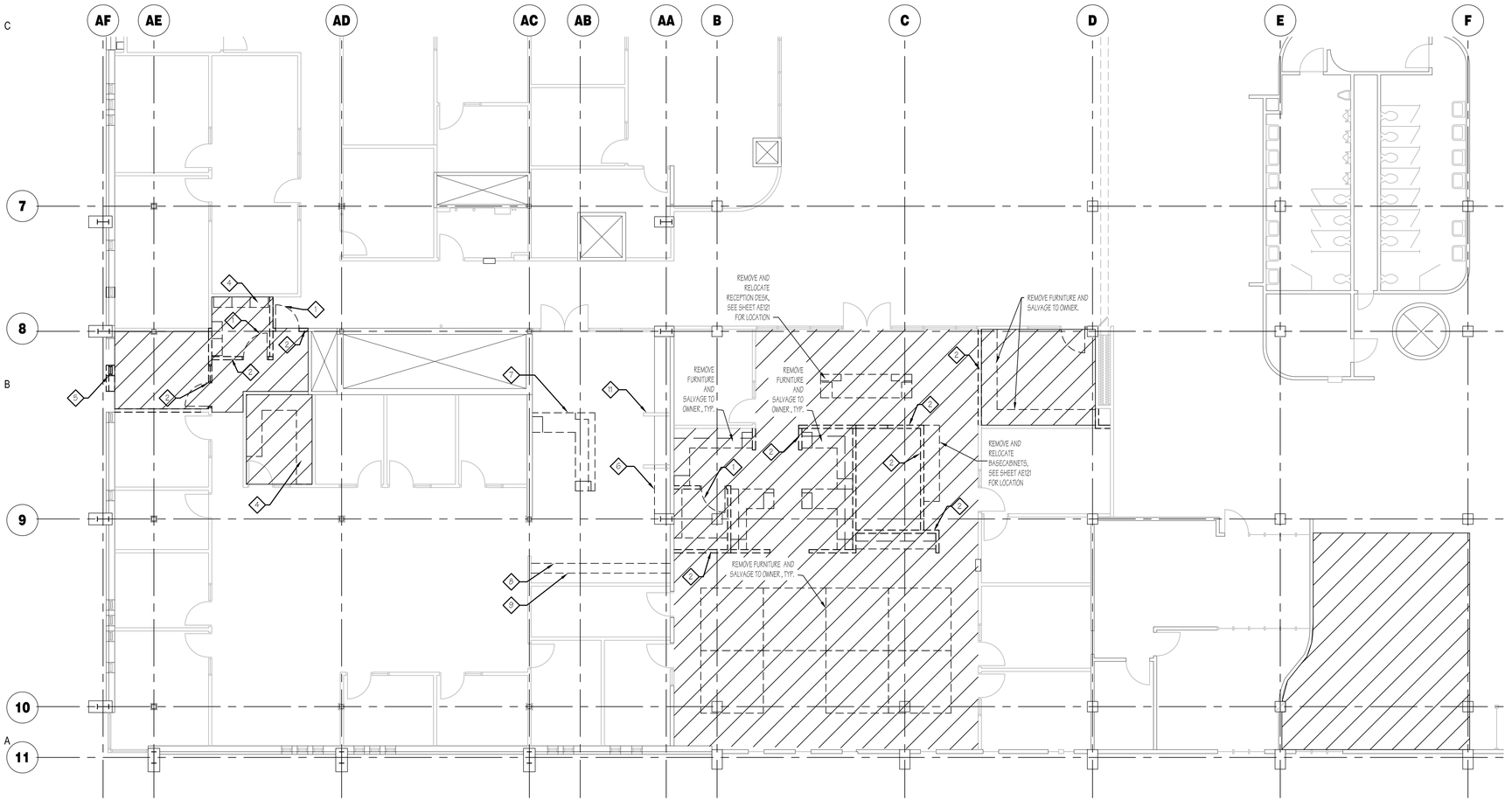
ENLARGED DEMO FIRST FLOOR PLAN

AD113

SHEET 9 OF



D3 ENLARGED DEMO SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"



A3 ENLARGED DEMO SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

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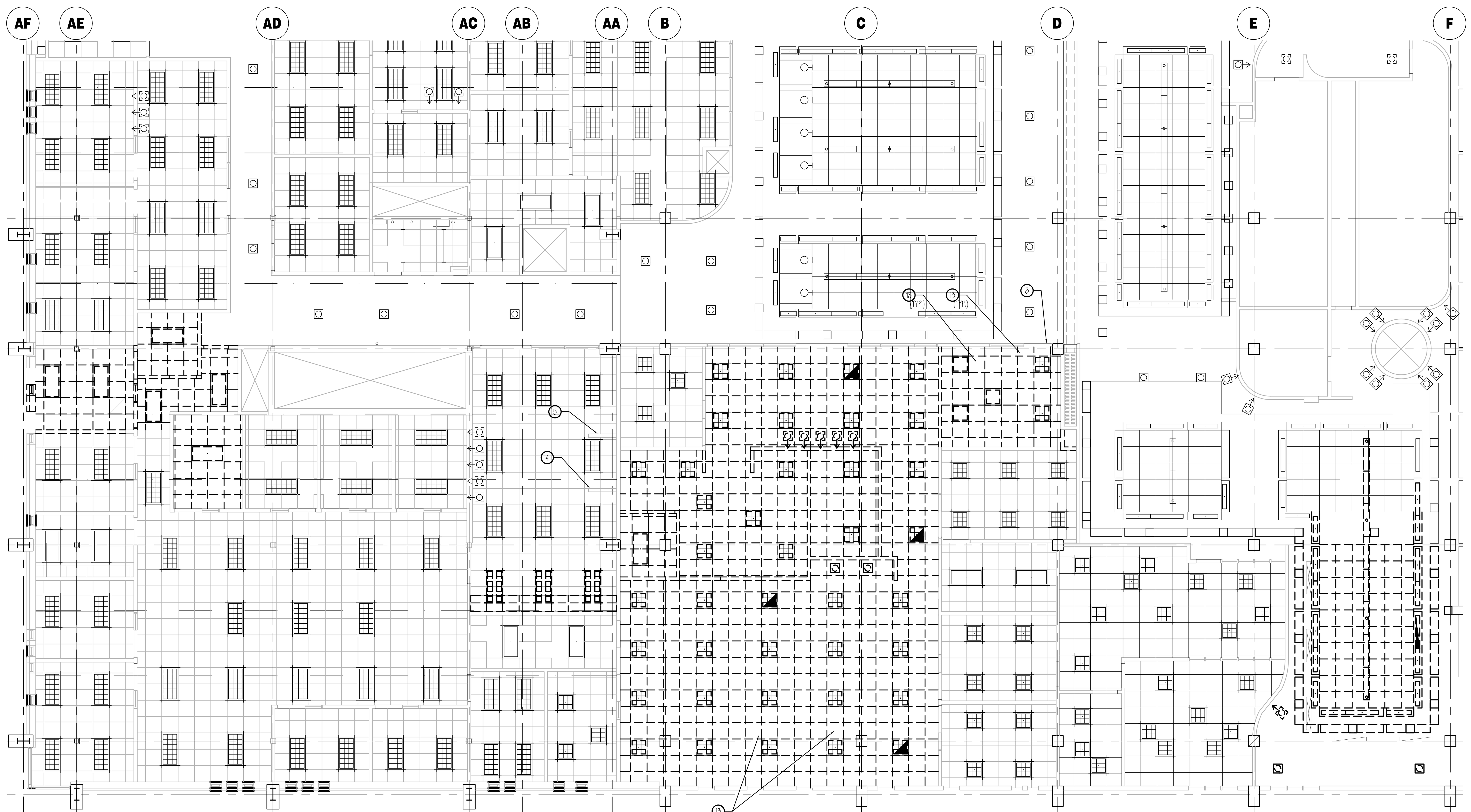
SHEET TITLE

ENLARGED DEMO 2ND FLOOR PLAN

AD121

SHEET 10 OF



A3 DEMO ENLARGED SECOND REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

GENERAL DEMOLITION NOTES

A. CONTRACTOR SHALL PERFORM ALL DEMOLITION AND PREPARATION WORK AS SHOWN ON DRAWINGS AND AS REQUIRED FOR A COMPLETE AND PROPER JOB. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO VERIFY EXTENT OF REQUIRED DEMOLITION AND PREPARATION WORK. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND DISPOSE OF ALL DEMOLITION ITEMS IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL LAWS.

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DEMOLITION LEGEND

A. REMOVE FLOOR FINISH AND BASE (WHERE OCCURS) COMPLETE.

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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

DEMO 2ND FLOOR REFLECTED CEILING PLAN

AD122

SHEET 11 OF

GENERAL NOTES

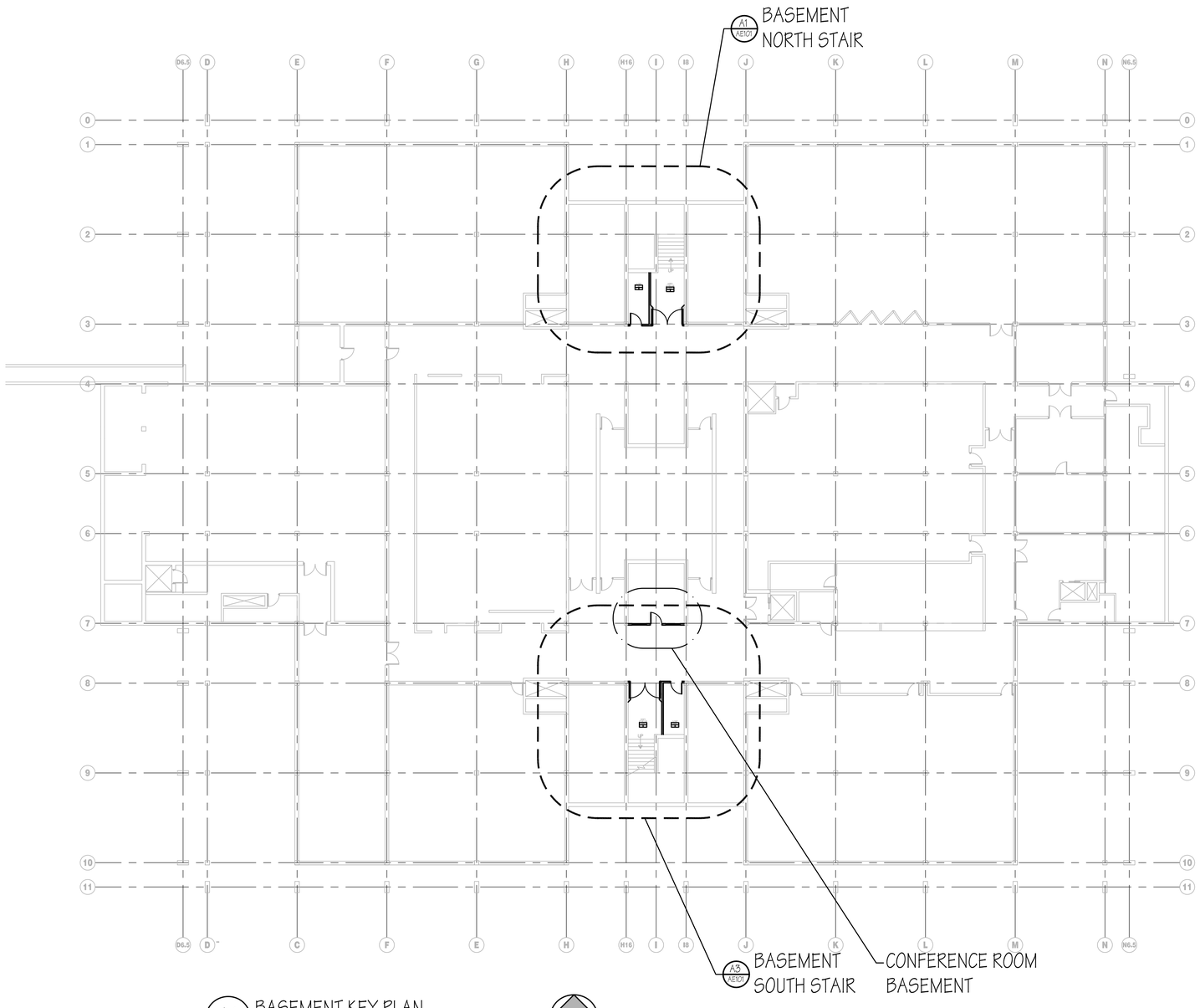
A. ALL DIMENSIONS TAKEN FROM FINISHED FACE AND/OR CENTER LINE OF NEW AND EXISTING WALLS.

B. IF A CONFLICT OCCURS BETWEEN DRAWINGS, DRAWINGS AND SPECIFICATIONS, SPECIFICATION SECTIONS AND DIVISIONS OR BETWEEN OTHER PARTS OF THESE CONSTRUCTION DOCUMENTS OR THESE DOCUMENTS AND ANY CODE REQUIREMENT, THE CONTRACTOR MAY REQUEST CLARIFICATION DURING THE BIDDING PERIOD. OTHERWISE THE MOST STRINGENT REQUIREMENTS SHALL APPLY AND BE PART OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

C. ALL WORK AND MATERIALS SHALL BE IN FULL CONFORMANCE WITH THE LATEST FEDERAL, STATE AND LOCAL CODES LAWS AND ORDINANCES. INCLUDING THEIR MOST RECENT REVISIONS, AMENDMENTS AND INTERPRETATIONS.

D. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT, FOR IMMEDIATE RESOLUTION, ANY NON-CONFORMING CONDITIONS WHICH MAY BE FOUND IN EXISTING FIELD CONDITIONS.

E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.



A1 BASEMENT KEY PLAN
SCALE: 1/16"=1'-0"

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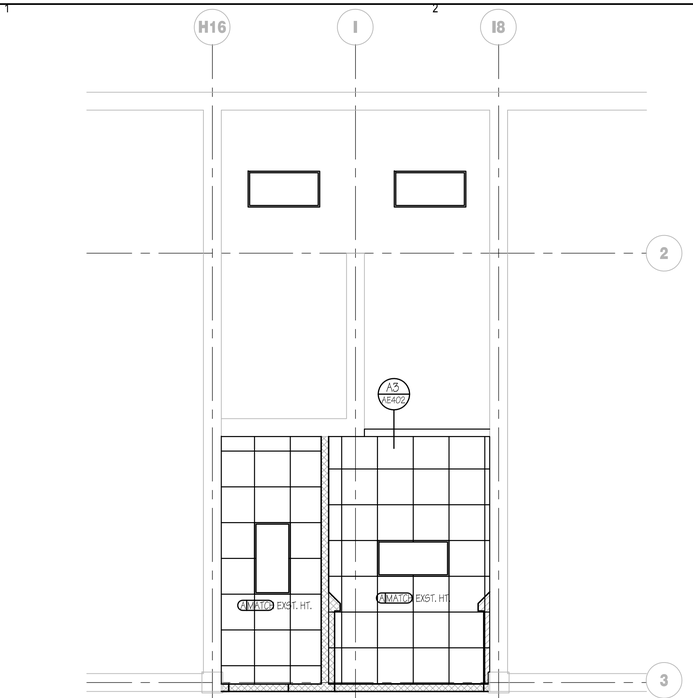
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

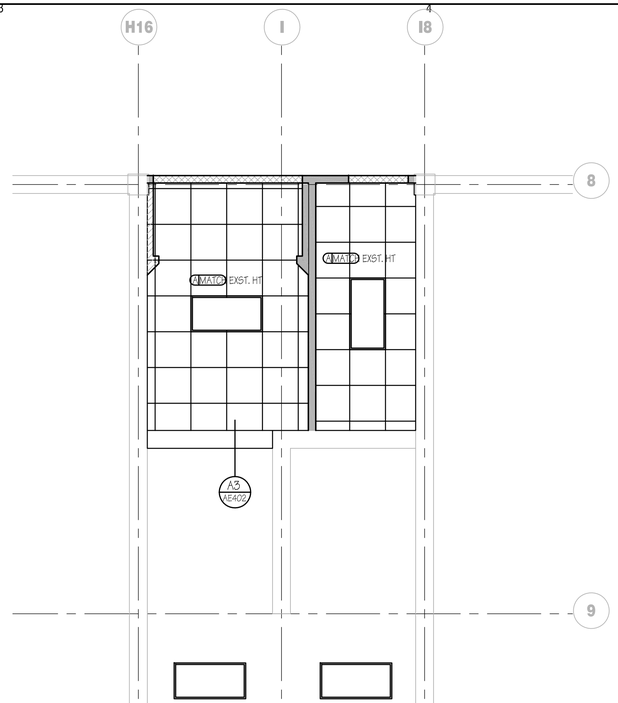
BASEMENT KEY FLOOR PLAN

AE100

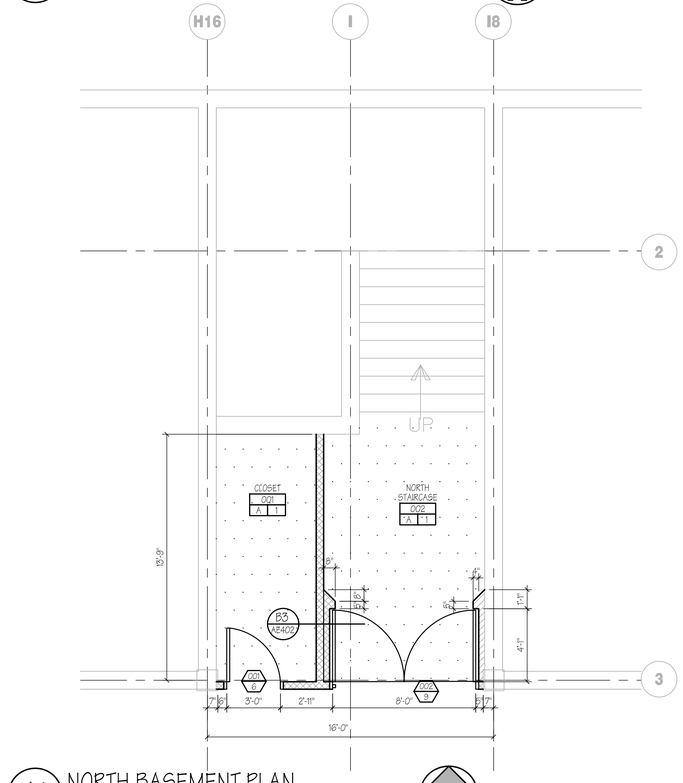
SHEET 12 OF



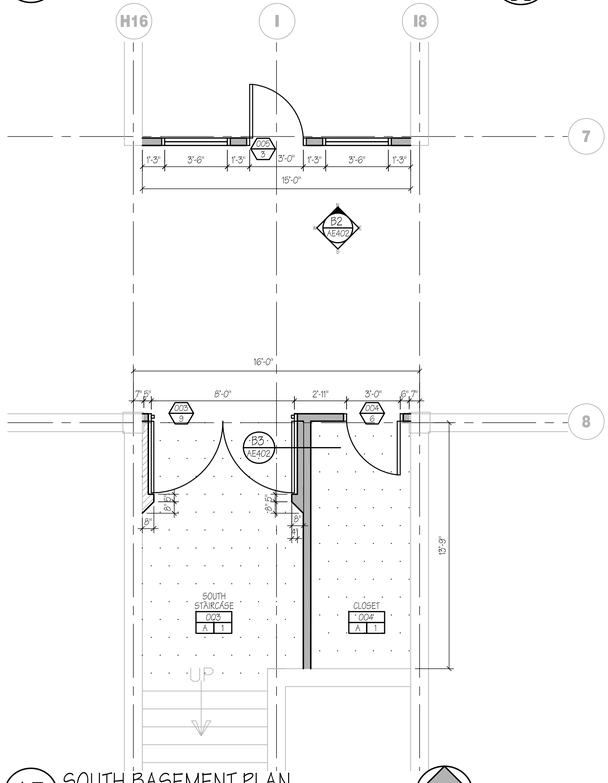
C1 NORTH BASEMENT REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



C3 SOUTH BASEMENT REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



A1 NORTH BASEMENT PLAN
SCALE: 1/4"=1'-0"



A3 SOUTH BASEMENT PLAN
SCALE: 1/4"=1'-0"

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FINISH LEGEND

ROOM NAME
FLOOR/ BASE — RM NUM (F / W) — WALL/WAINSCOT

A. CARPET TILE W/ RUBBER BASE	1. PAINTED GYP BOARD.
B. TILE W/ 4" HDWD BASE	2. PLASTER ON BOARD FORMED CONCRETE, (W/ TILE WAINSCOT WHERE OCCURS), SEE PLAN FOR LOCATION

WALL SCHEDULE

- 3-5/8" METAL STUDS AT 16" O.C. TO 6" ABOVE OF SUSPENDED CEILING SYSTEM WITH 5/8" GYPSUM BOARD BOTH SIDES.
- 1-HR. RATED ASSEMBLY - UL# U465, 3-5/8" METAL STUDS AT 16" O.C. TO STRUCTURE ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES.
- EXISTING WALL

LEGEND

A. CARPET TILE W/ RUBBER BASE ON GYP. BD. WALL

B. TILE W/4" HDWD BASE

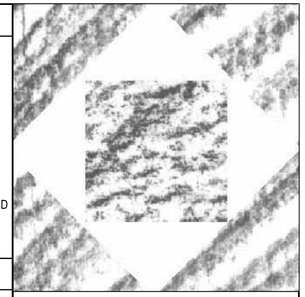
CEILING SCHEDULE

NOTE: FOR ALL CEILING BRACING AND ANCHOR DETAILS SEE DETAILS: C1, D1-D4/A601.

A. NEW 2'X2' CEILING PANELS AND GRID

B. 3-5/8" MTL STUDS @ 16" O.C. W/ $\frac{5}{8}$" GYP. BD.

- SUPPLY GRILLE, SEE MECHANICAL
- RETURN GRILLE, SEE MECHANICAL
- 2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL
- RECESSED LIGHT FIXTURE, SEE ELECTRICAL
- FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL
- FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL
- PENDANT LIGHT FIXTURE, SEE ELECTRICAL



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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

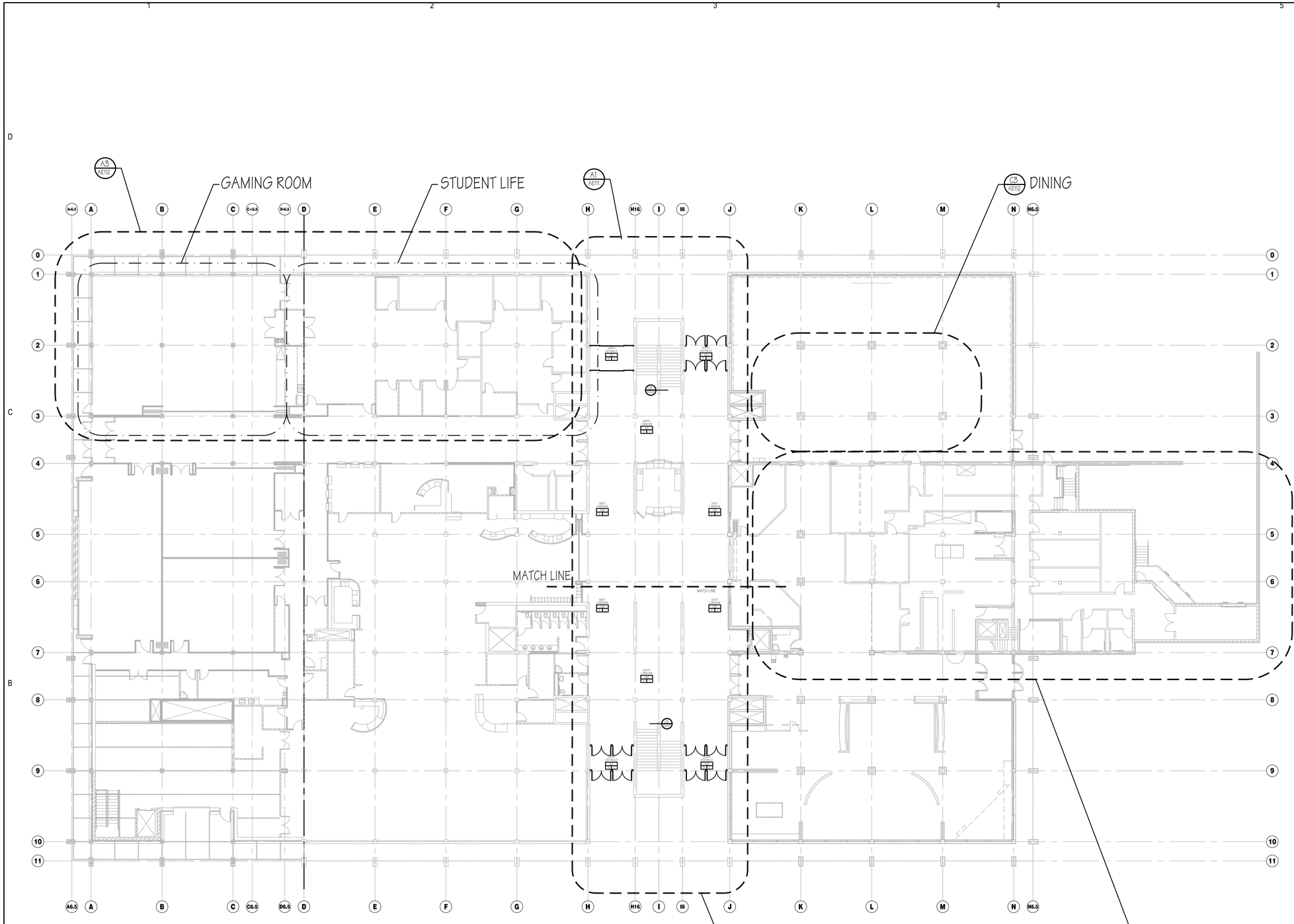
DATE:	JULY 14, 2008
DFCM PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	
DRAWN BY:	
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

ENLARGED BASEMENT FLOOR PLAN & REFL. CEIL PLANS

AE101

SHEET 13 OF



A2 FIRST FLOOR PLAN - KEY PLAN
SCALE: 1/16"=1'-0"

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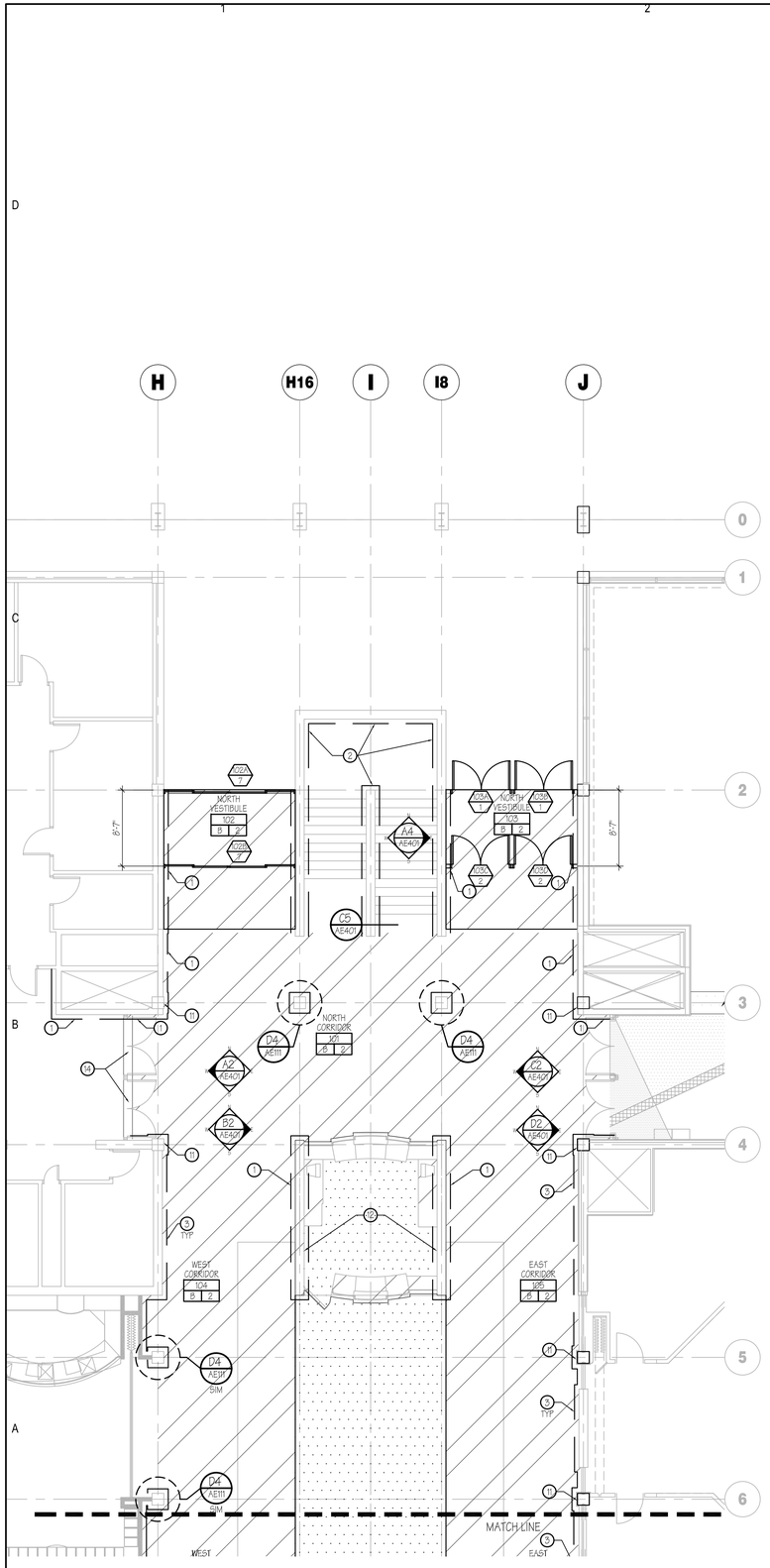
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRST FLOOR KEY PLAN

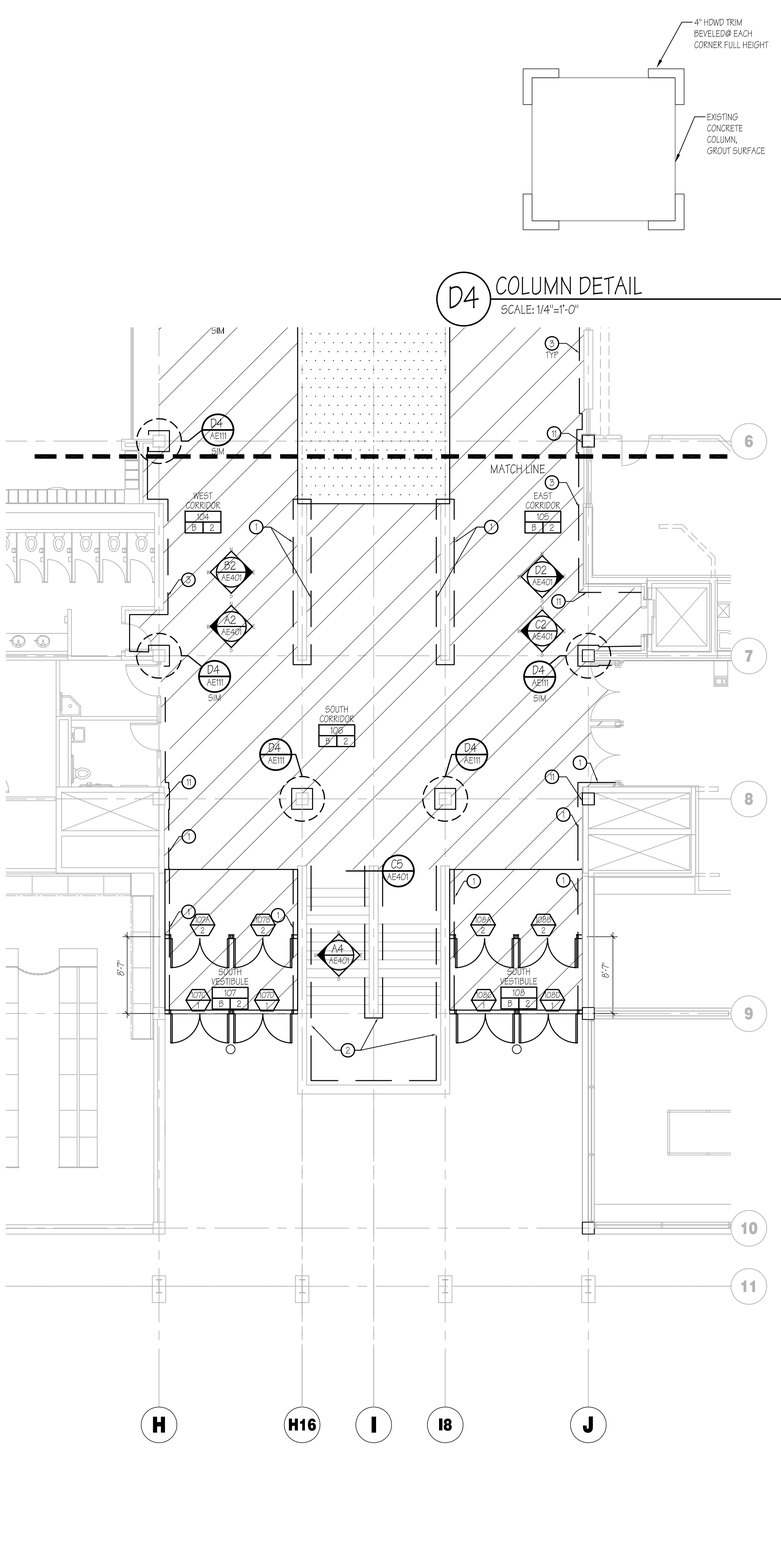
AE110

SHEET 14 OF



A1 NORTH ENTRY FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"



A3 SOUTH ENTRY FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

D4 COLUMN DETAIL

SCALE: 1/4"=1'-0"

GENERAL NOTES

A. ALL DIMENSIONS TAKEN FROM FINISHED FACE AND/OR CENTER LINE OF NEW AND EXISTING WALLS.

B. IF A CONFLICT OCCURS BETWEEN DRAWINGS, DRAWINGS AND SPECIFICATIONS, SPECIFICATION SECTIONS AND DIVISIONS OR BETWEEN OTHER PARTS OF THESE CONSTRUCTION DOCUMENTS OR THESE DOCUMENTS AND ANY CODE REQUIREMENT, THE CONTRACTOR MAY REQUEST CLARIFICATION DURING THE BIDDING PERIOD. OTHERWISE THE MOST STRINGENT REQUIREMENTS SHALL APPLY AND BE PART OF THE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

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D. THE GENERAL CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT, FOR IMMEDIATE RESOLUTION, ANY NON-CONFORMING CONDITIONS WHICH MAY BE FOUND IN EXISTING FIELD CONDITIONS.

E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

FINISH LEGEND

ROOM NAME
FLOOR/ BASE — RM NUM | F | W — WALL/WAINSCOT

A. CARPET TILE W/ RUBBER BASE	1. PAINTED GYP BOARD.
B. TILE W/ 4" HDWD BASE	2. PLASTER ON BOARD FORMED CONCRETE, (W/ TILE WAINSCOT WHERE OCCURS), SEE PLAN FOR LOCATION

LEGEND

A. CARPET TILE W/ RUBBER BASE ON GYP. BD. WALL

B. TILE W/4" HDWD BASE

KEYED NOTES

1. PLASTER OVER BOARD FORMED CONCRETE WITH TILE WAINSCOT & HDWD CHAIR RAIL, SEE ELEVATIONS ON SHEET AE401
2. PLASTER OVER BOARD FORMED CONCRETE WITH HDWD WAINSCOT (STAIRS ONLY), SEE ELEVATIONS ON SHEET AE401
3. NEW HDWD BASE ONLY
4. INSTALL NEW 3-5/8" MTL STUD FRAMING W/ 5/8" GYP BD, BOTH SIDES AND TOP, 3'-0" AFF.
5. MODIFY WALL TO 3'-0" AFF.
6. RELOCATED DOOR AND FRAME.
7. 3-5/8" MTL STUD WALL INFILL WITH $\frac{5}{8}$" GYP. BD. PAINT BOTH SIDES AND NEW RUBBER BASE TO MATCH EXISTING.
8. 3-5/8" MTL STUD WALL INFILL WITH $\frac{5}{8}$" GYP. BD. PAINT BOTH SIDES. PROVIDE NEW HDWD CHAIR RAIL AND BASE IN HALLWAY TO MATCH EXISTING.
9. RELOCATE FIRE EXTINGUISHER CABINET.
10. RELOCATE THERMOSTAT.
11. SEE DETAIL D4/AE111 SIM.
12. PLASTER OVER BOARD FORMED CONCRETE
13. SYSTEMS FURNITURE, NIC.
14. PROVIDE 12X12 ACCENT TILE IN THIS LOCATION.

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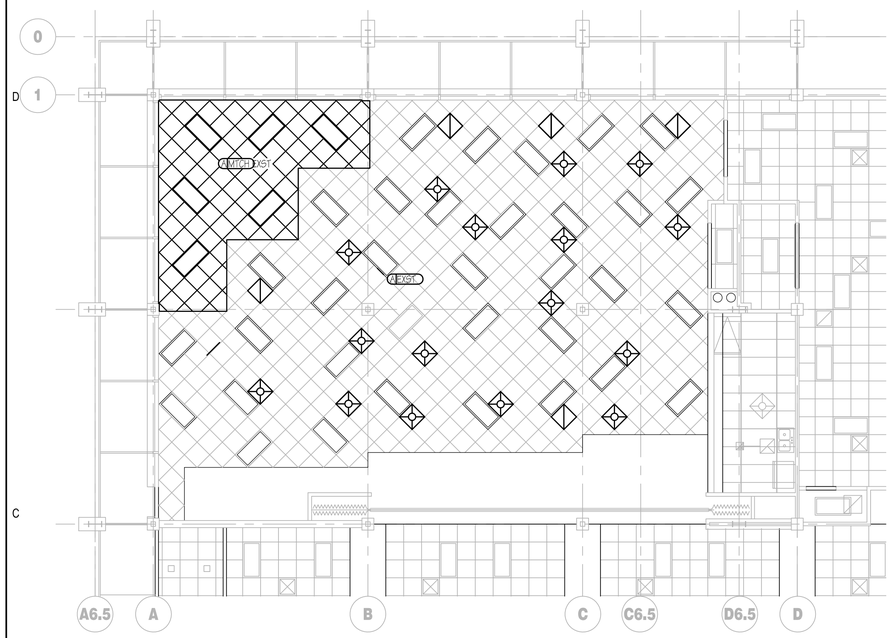
SHEET TITLE

ENLARGED FIRST FLOOR PLAN

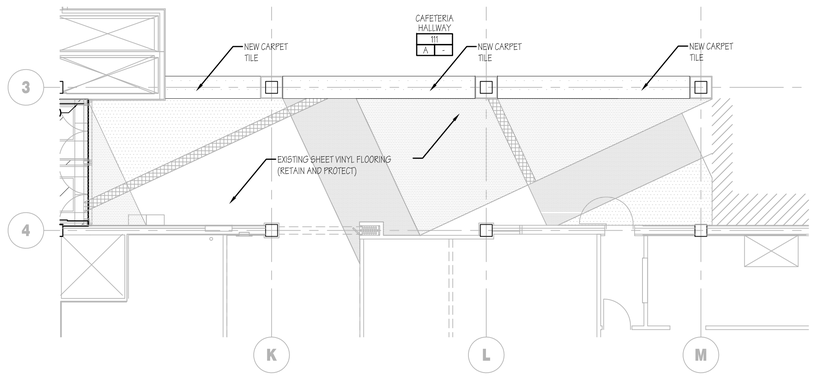
AE111

SHEET 15 OF



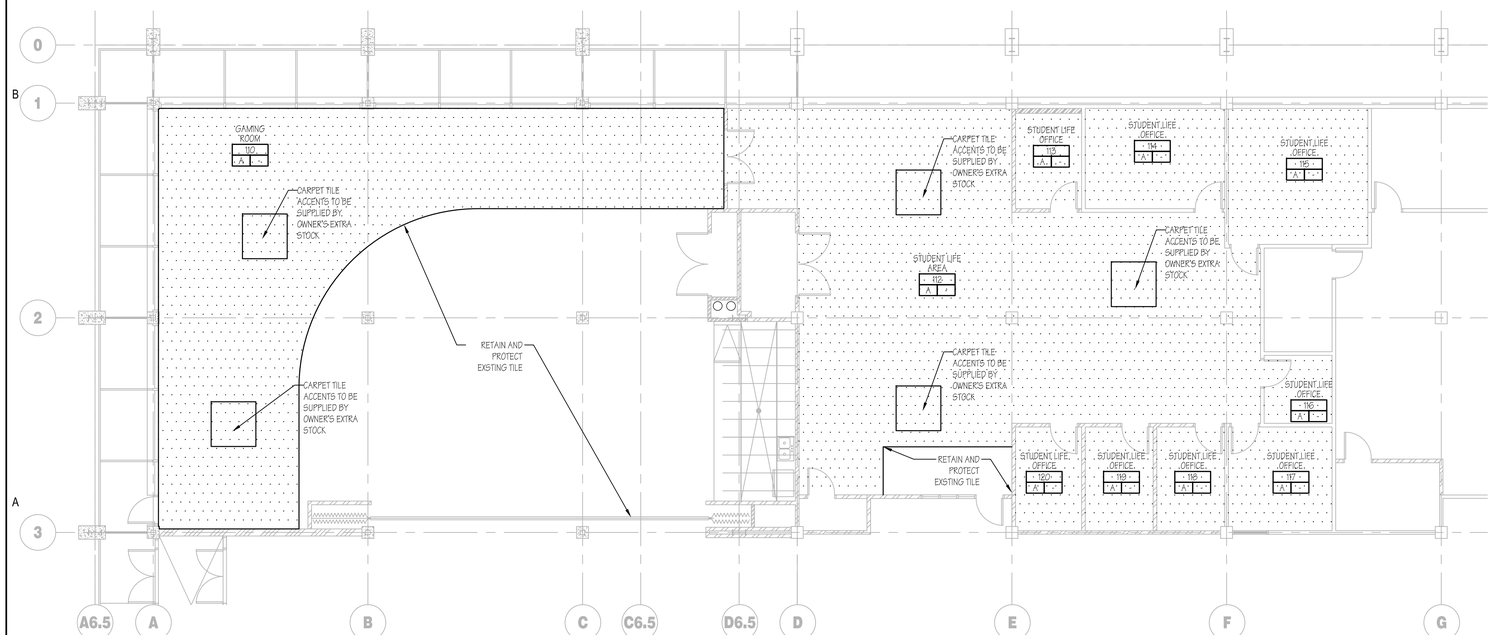
A1 ENLARGED GAMING ROOM FIRST FLOOR RCP

SCALE: 1/8"=1'-0"



C3 ENLARGED CAFETERIA FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"



A3 ENLARGED GAMING ROOM FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES

A. ALL DIMENSIONS TAKEN FROM FINISHED FACE AND/OR CENTER LINE OF NEW AND EXISTING WALLS.

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E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

LEGEND

A. CARPET TILE W/ RUBBER BASE ON GYP. BD. WALL

B. TILE W/4" HDWD BASE

CEILING SCHEDULE

NOTE: FOR ALL CEILING BRACING AND ANCHOR DETAILS SEE DETAILS: C1, D1-D4/A601.

A. NEW 2X2' CEILING PANELS AND GRID

B. 3-5/8" MTL STUDS @ 16" O.C. W/ ⅝" GYP. BD.

SUPPLY GRILLE, SEE MECHANICAL

RETURN GRILLE, SEE MECHANICAL

2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

RECESSED LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

PENDANT LIGHT FIXTURE, SEE ELECTRICAL

FINISH LEGEND

ROOM NAME / RM NUM / F / W — FLOOR/ BASE — WALL/WAINSCOT

A. CARPET TILE W/ RUBBER BASE
B. TILE W/ 4" HDWD BASE

1. PAINTED GYP BOARD.
2. PLASTER ON BOARD FORMED CONCRETE, (W/ TILE WAINSCOT WHERE OCCURS), SEE PLAN FOR LOCATION

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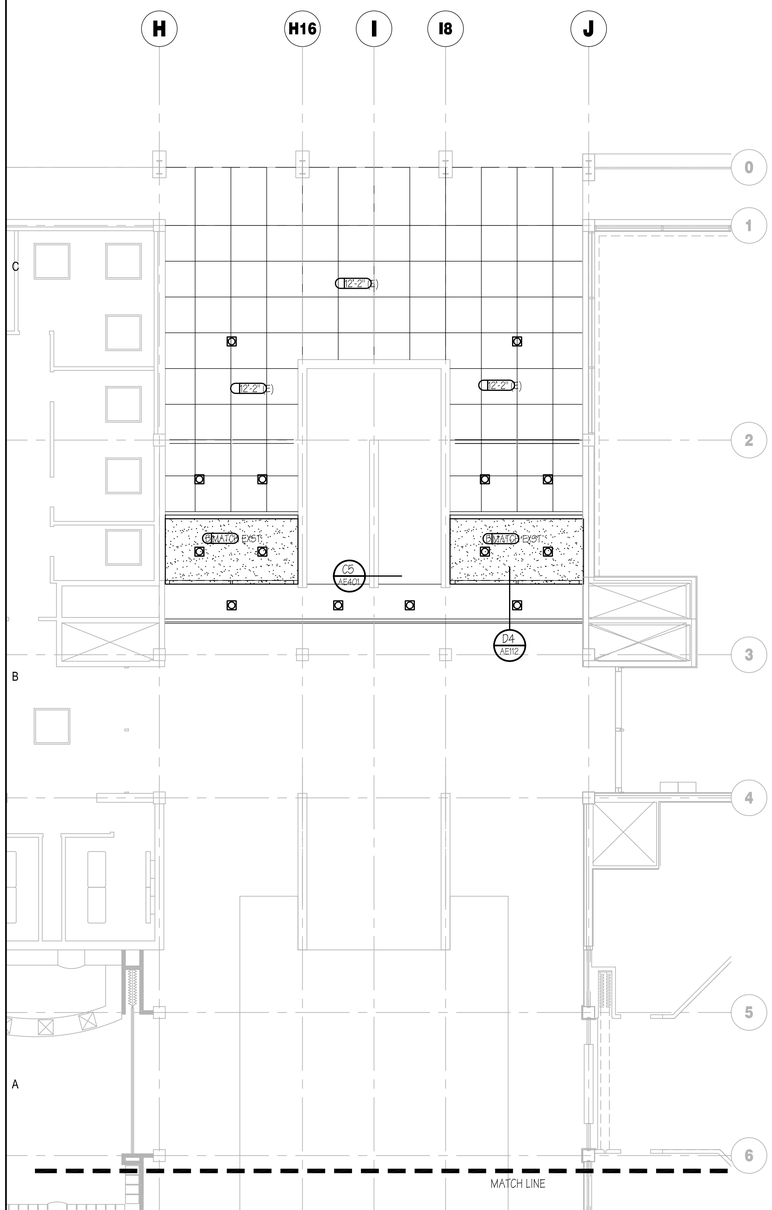
SHEET TITLE

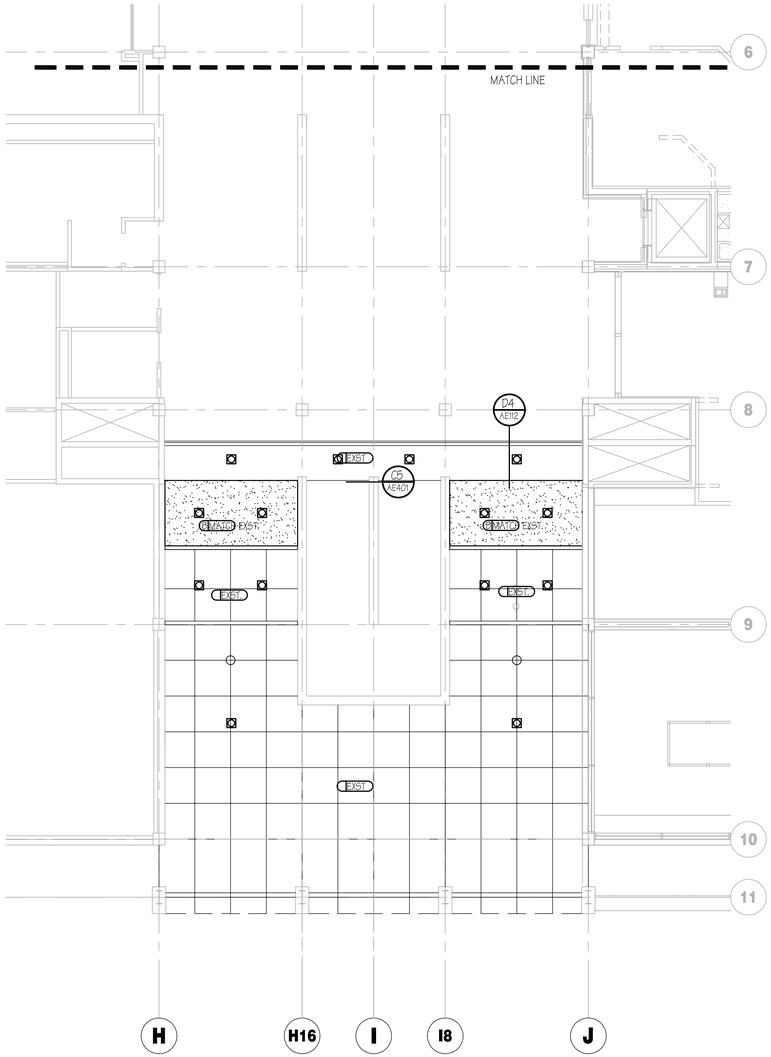
ENLARGED 1ST FLOOR PLAN & REFLECTED CEILING PLAN

AE112

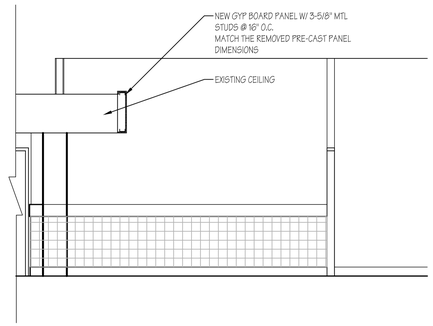
SHEET 16 OF



A1 NORTH ENTRY FIRST FLOOR PLAN RCP
SCALE: 1/8"=1'-0"



A3 SOUTH ENTRY FIRST FLOOR PLAN RCP
SCALE: 1/8"=1'-0"



D4 PANEL DETAIL
SCALE: 1/4"=1'-0"

GENERAL NOTES

A. ALL DIMENSIONS TAKEN FROM FINISHED FACE AND/OR CENTER LINE OF NEW AND EXISTING WALLS.

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E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

CEILING SCHEDULE

NOTE: FOR ALL CEILING BRACING AND ANCHOR DETAILS SEE DETAILS: C1, D1-D4/A601.

A. NEW 2'X2' CEILING PANELS AND GRID

B. 3-5/8" MTL STUDS @ 16" O.C. W/ ⅝" GYP. BD.

SUPPLY GRILLE, SEE MECHANICAL

RETURN GRILLE, SEE MECHANICAL

2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

RECESSED LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

PENDANT LIGHT FIXTURE, SEE ELECTRICAL

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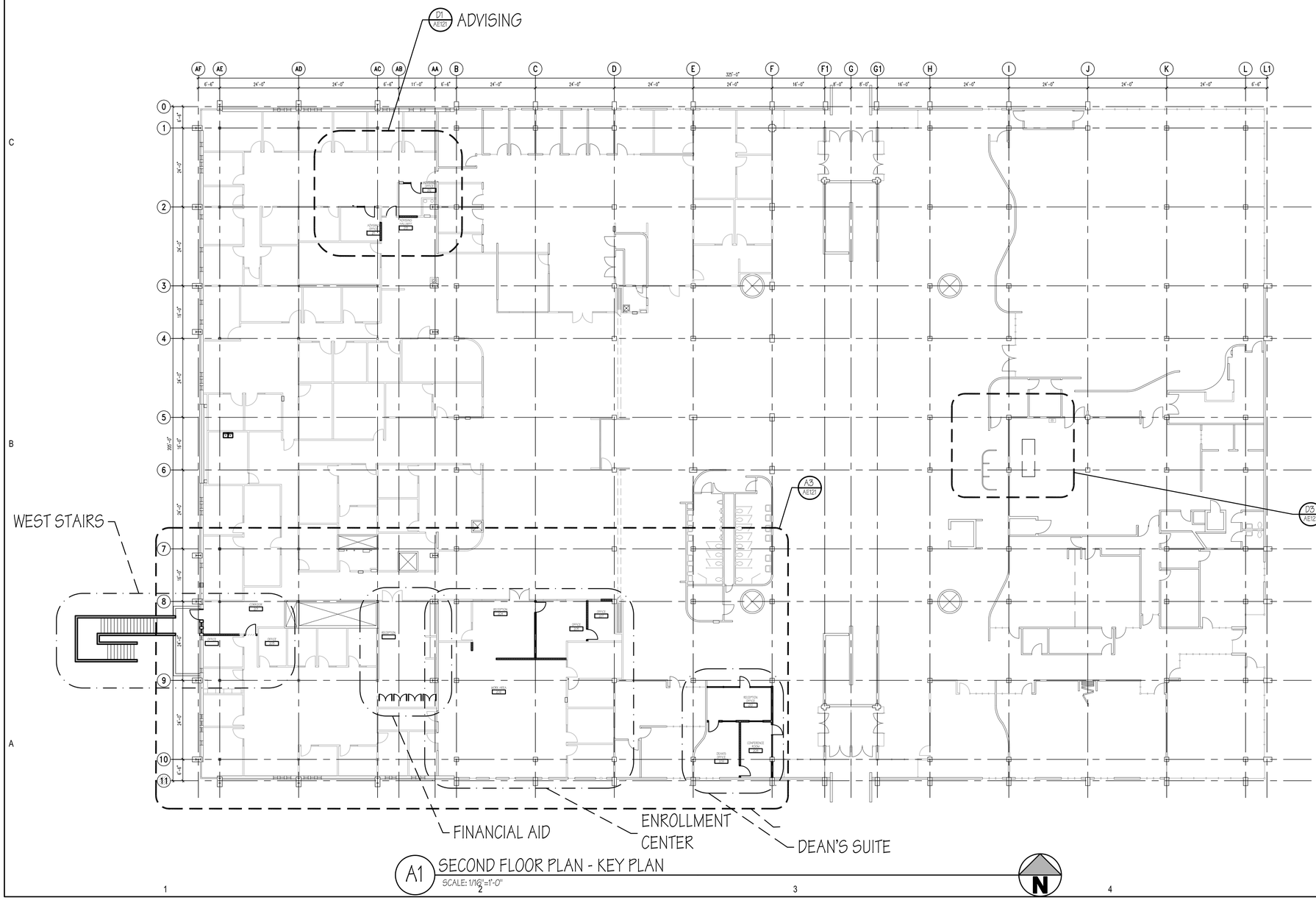
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

ENLARGED 1ST FLOOR REFLECTED CEILING PLAN

AE113

SHEET 17 OF



A1 SECOND FLOOR PLAN - KEY PLAN
SCALE: 1/16"=1'-0"

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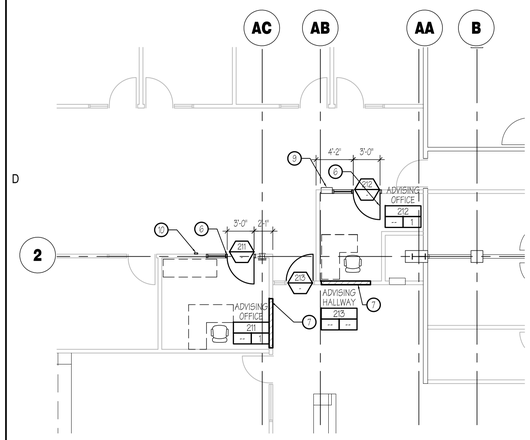
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND
FLOOR KEY PLAN

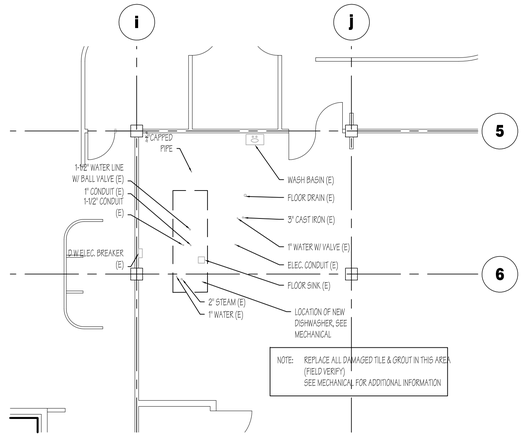
AE120

SHEET 18 OF



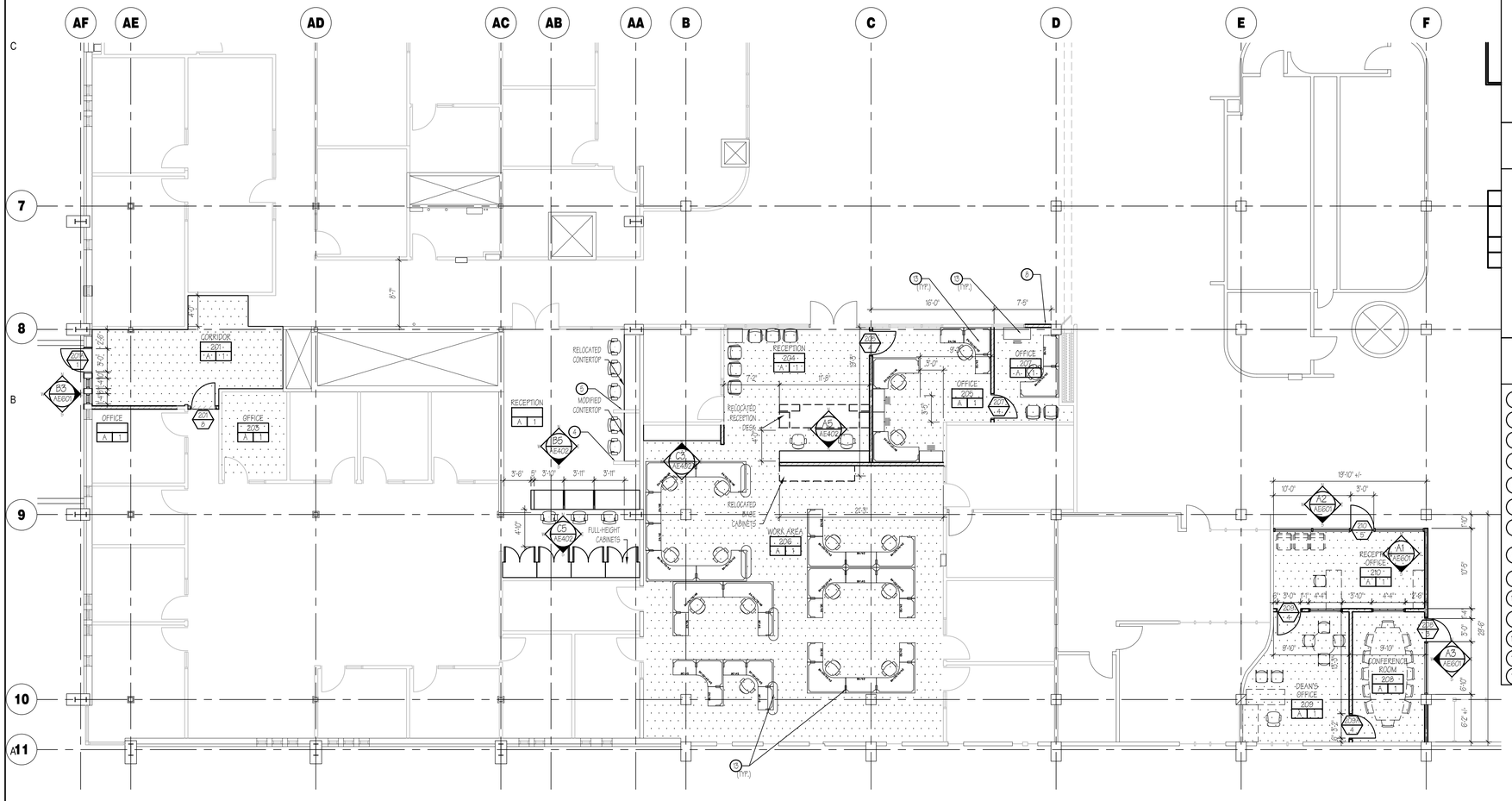
D1 ENLARGED ADVISING AREA

SCALE: 1/8"=1'-0"



D3 ENLARGED 2ND FLR KITCHEN

SCALE: 1/8"=1'-0"



A3 ENLARGED SECOND FLOOR PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES

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E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

FINISH LEGEND

ROOM NAME
RM NUM
FLOOR/ BASE — F | W — WALL/WAINSCOT

A. CARPET TILE W/ RUBBER BASE	1. PAINTED GYP BOARD.
B. TILE W/ 4" HDWD BASE	2. PLASTER ON BOARD FORMED CONCRETE, (W/ TILE WAINSCOT WHERE OCCURS), SEE PLAN FOR LOCATION

WALL SCHEDULE

3-5/8" METAL STUDS AT 16" O.C. TO 6" ABOVE OF SUSPENDED CEILING SYSTEM WITH 5/8" GYPSUM BOARD BOTH SIDES.

1-HR. RATED ASSEMBLY - UL# U465, 3-5/8" METAL STUDS AT 16" O.C. TO STRUCTURE ABOVE WITH 5/8" GYPSUM BOARD BOTH SIDES.

EXISTING WALL

LEGEND

A. CARPET TILE W/ RUBBER BASE ON GYP. BD. WALL

B. TILE W/4" HDWD BASE

KEYED NOTES

1. PLASTER OVER BOARD FORMED CONCRETE WITH TILE WAINSCOT & HDWD CHAIR RAIL, SEE ELEVATIONS ON SHEET AE401
2. PLASTER OVER BOARD FORMED CONCRETE WITH HDWD WAINSCOT (STAIRS ONLY), SEE ELEVATIONS ON SHEET AE401
3. NEW HDWD BASE ONLY
4. INSTALL NEW 3-5/8" MTL STUD FRAMING W/ 5/8" GYP BD, BOTH SIDES AND TOP, 3'-0" AFF.
5. MODIFY WALL TO 3'-0" AFF.
6. RELOCATED DOOR AND FRAME.
7. 3-5/8" MTL STUD WALL INFILL WITH 5/8" GYP. BD. PAINT BOTH SIDES AND NEW RUBBER BASE TO MATCH EXISTING.
8. 3-5/8" MTL STUD WALL INFILL WITH 5/8" GYP. BD. PAINT BOTH SIDES. PROVIDE NEW HDWD CHAIR RAIL AND BASE IN HALLWAY TO MATCH EXISTING.
9. RELOCATE FIRE EXTINGUISHER CABINET.
10. RELOCATE THERMOSTAT.
11. SEE DETAIL D4/AE111 SIM.
12. PLASTER OVER BOARD FORMED CONCRETE
13. SYSTEMS FURNITURE, NIC.
14. PROVIDE 12X12 ACCENT TILE IN THIS LOCATION.

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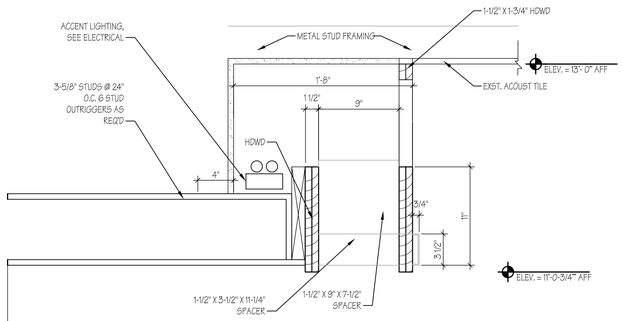
SHEET TITLE

ENLARGED 2ND FLOOR PLAN

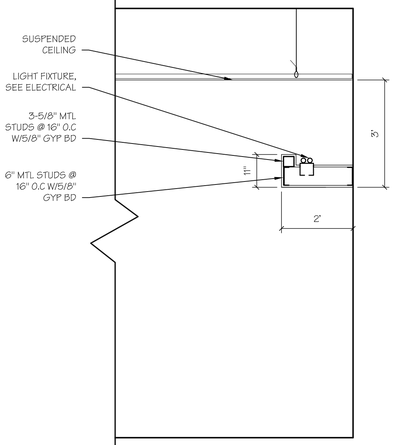
AE121

SHEET 19 OF



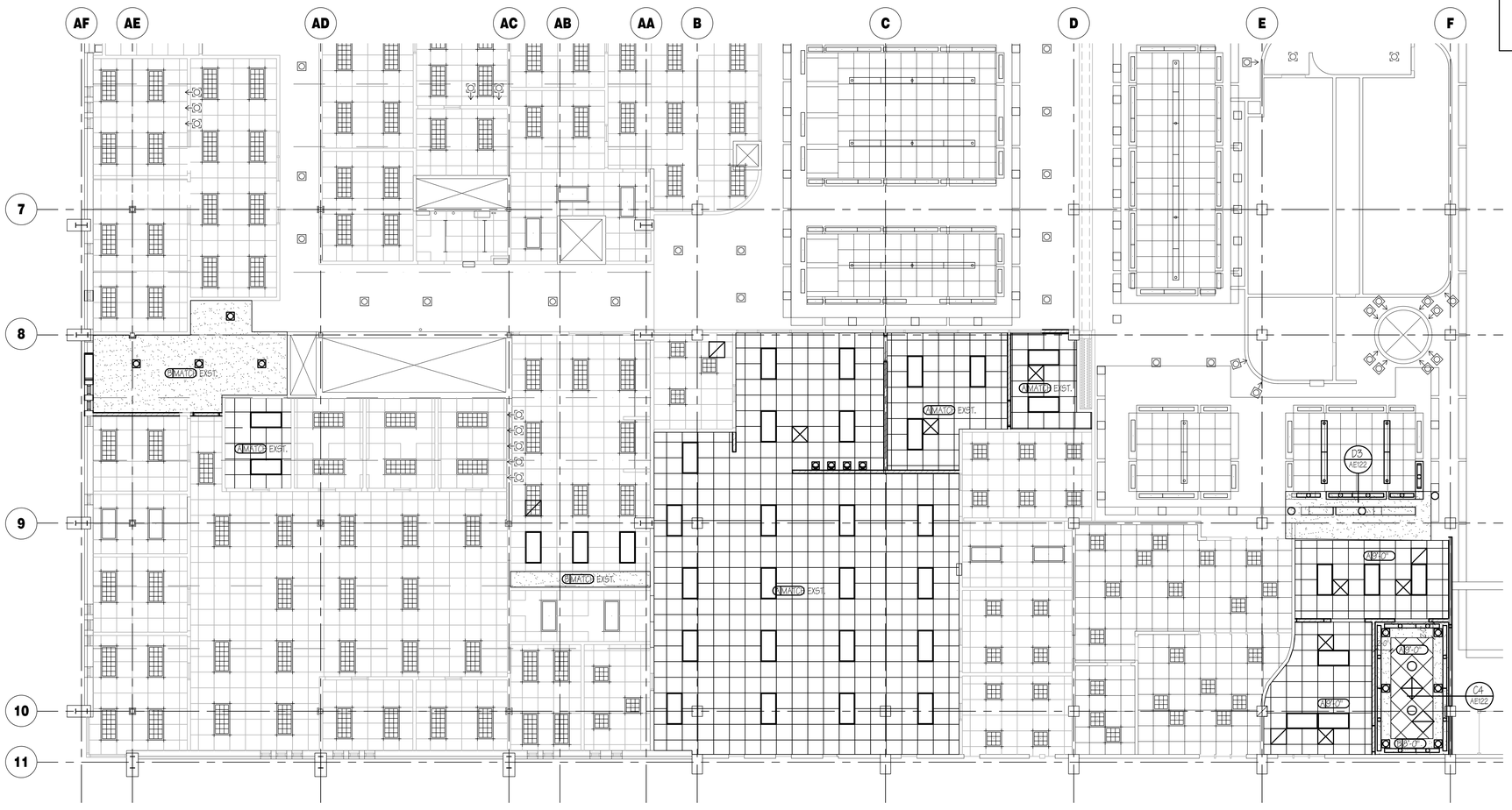
D3 BULK HEAD SECTIONS

SCALE: 1-1/2"=1'-0"



C4 CONFERENCE ROOM SOFFIT DETAIL

SCALE: 1/2"=1'-0"



A3 ENLARGED SECOND FLOOR PLAN

SCALE: 1/8"=1'-0"

GENERAL NOTES

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E. PATCH AND REPAIR ANY DAMAGE TO ANY SURFACE, EQUIPMENT ETC NOT IN THIS SCOPE OF WORK.

CEILING SCHEDULE

NOTE: FOR ALL CEILING BRACING AND ANCHOR DETAILS SEE DETAILS: C3, D1-D4/A601.

A. NEW 2'X2' CEILING PANELS AND GRID

B. 3-5/8" MTL STUDS @ 16" O.C. W/ 5/8" GYP. BD.

SUPPLY GRILLE, SEE MECHANICAL

RETURN GRILLE, SEE MECHANICAL

2X4 FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

RECESSED LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

FLUORESCENT LIGHT FIXTURE, SEE ELECTRICAL

PENDANT LIGHT FIXTURE, SEE ELECTRICAL

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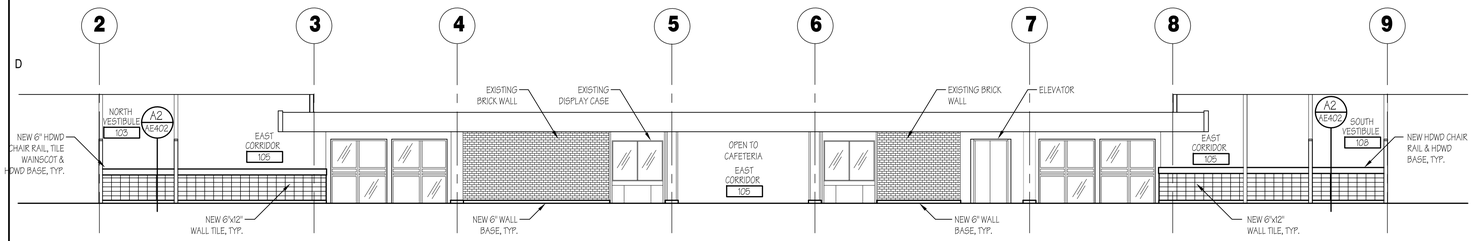
SHEET TITLE

2ND FLOOR REFLECTED CEILING PLAN

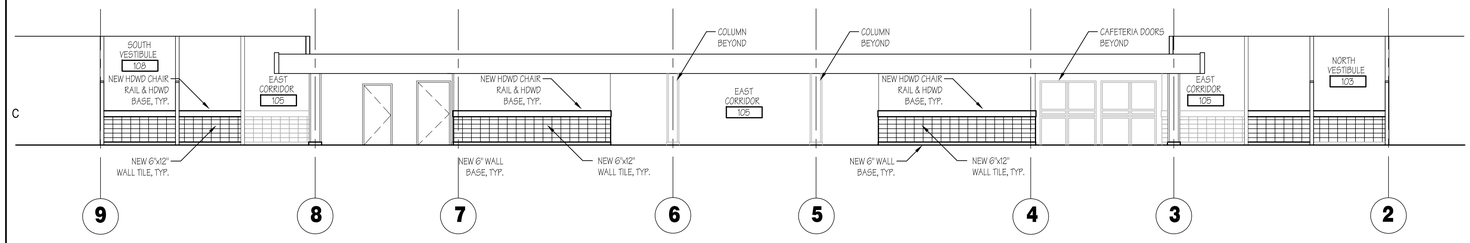
AE122

SHEET 20 OF



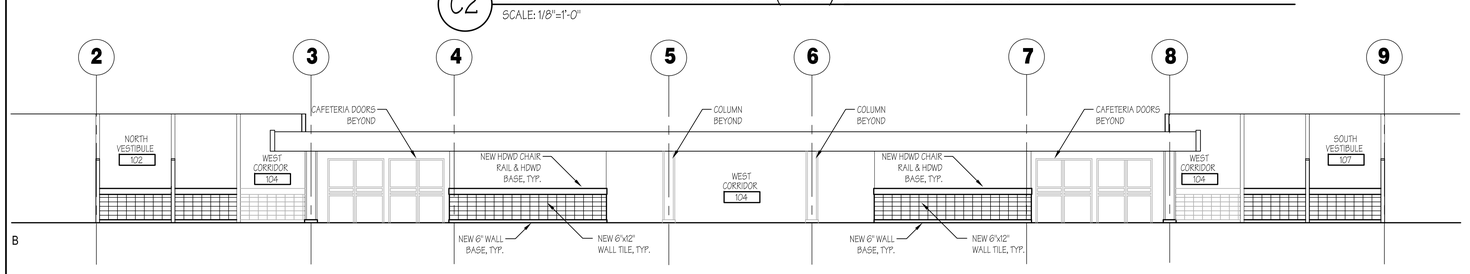
D2 FIRST FLOOR EAST CORRIDOR (#105) INTERIOR ELEVATION - EAST

SCALE: 1/8"=1'-0"



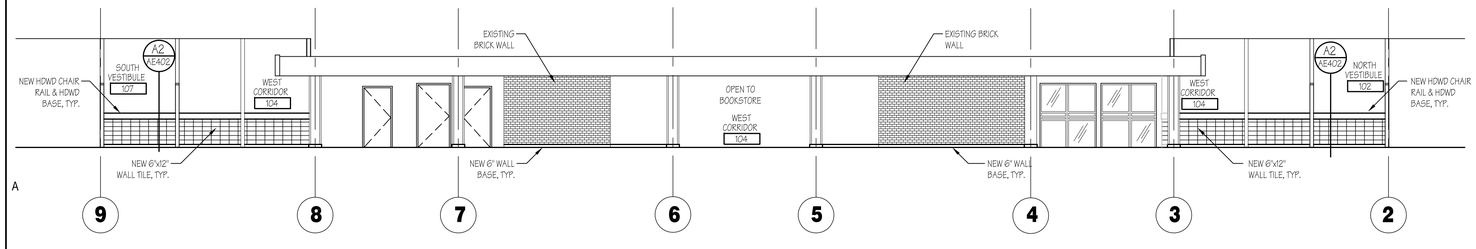
C2 FIRST FLOOR EAST CORRIDOR (#105) INTERIOR ELEVATION - WEST

SCALE: 1/8"=1'-0"



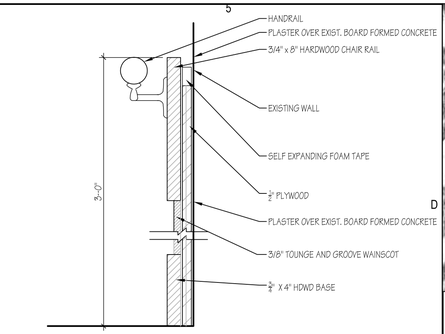
B2 FIRST FLOOR WEST CORRIDOR (#104) INTERIOR ELEVATION - EAST

SCALE: 1/8"=1'-0"



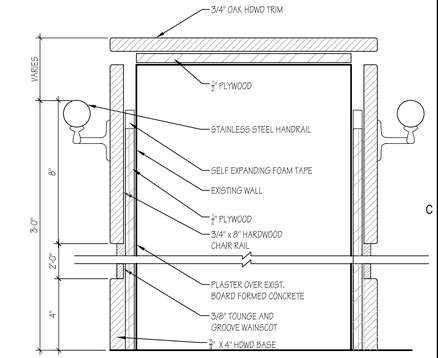
A2 FIRST FLOOR WEST CORRIDOR (#104) INTERIOR ELEVATION - WEST

SCALE: 1/8"=1'-0"



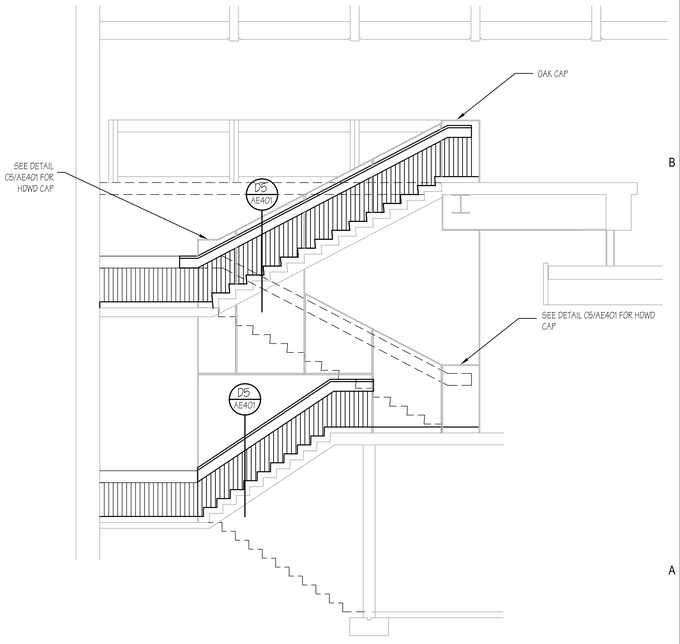
D5 STAIR WALL DETAIL

SCALE: 3"=1'-0"



C5 STAIR CAP DETAIL

SCALE: 3"=1'-0"



A4 FIRST FLOOR N & S STAIR INTERIOR ELEVATION

SCALE: 1/4"=1'-0"

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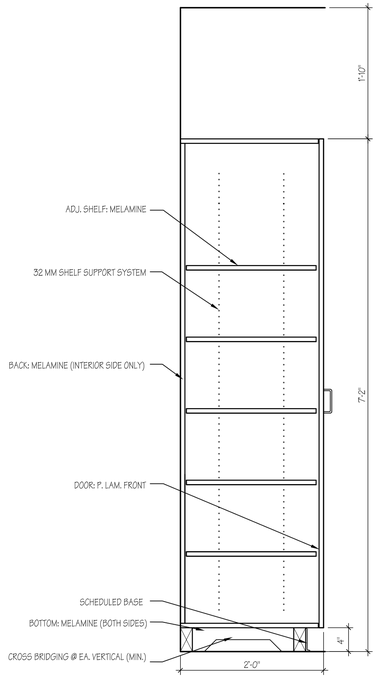
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRST FLOOR INTERIOR ELEVATIONS

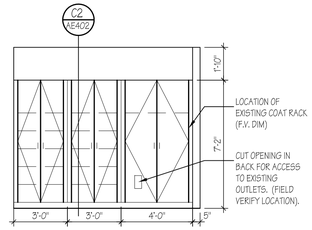
AE401

SHEET 21 OF



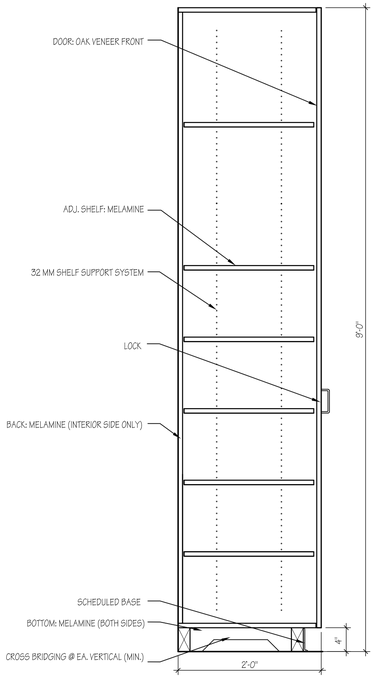
C2 ENROLLMENT CENTER- CABINET SECT

SCALE: 1"=1'-0"



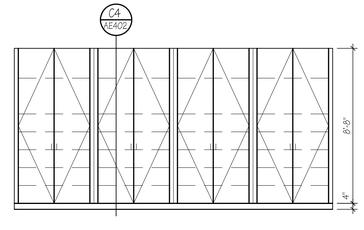
C3 ENROLLMENT CENTER-CABINET ELEV

SCALE: 1/4"=1'-0"



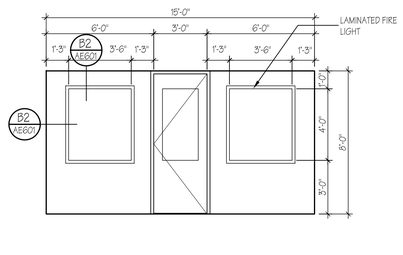
C4 FULL HEIGHT CABINETS SECTION

SCALE: 1"=1'-0"



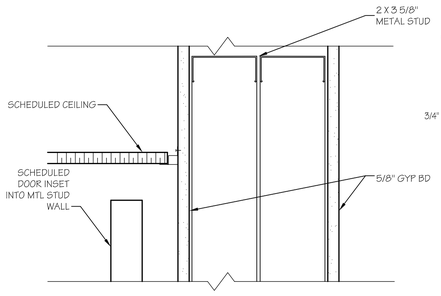
C5 FULL HEIGHT CABINETS ELEV

SCALE: 1/4"=1'-0"



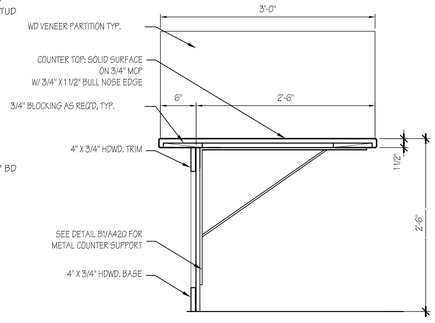
B2 BASEMENT WALL DETAIL

SCALE: 1/4"=1'-0"



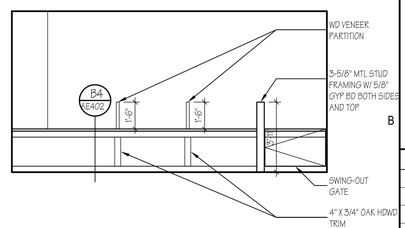
B3 WALL DETAIL

SCALE: 3"=1'-0"



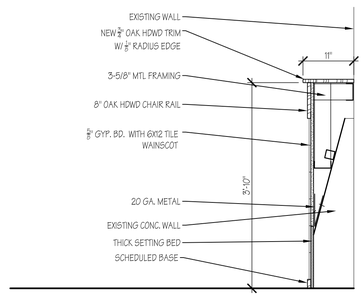
B4 FINANCIAL AID DESK SECTION

SCALE: 1"=1'-0"



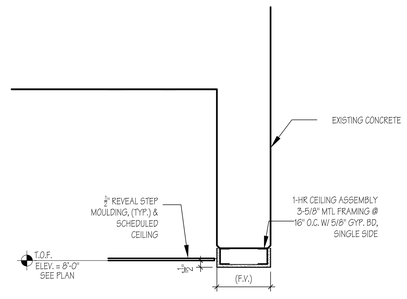
B5 FINANCIAL AID DESK ELEVATION

SCALE: 1/4"=1'-0"



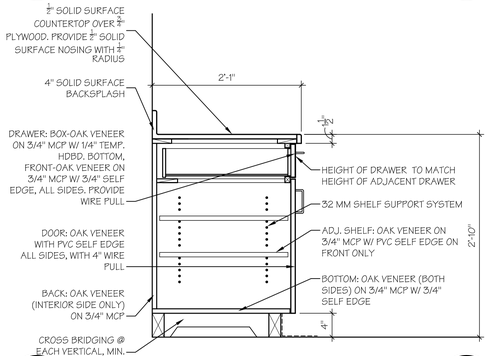
A2 WALL DETAIL

SCALE: 3/4"=1'-0"



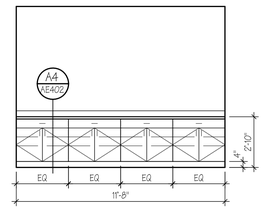
A3 CEILING DETAIL

SCALE: 3/4"=1'-0"



A4 ENROLLMENT CENTER CASEWORK SECT

SCALE: 1"=1'-0"



A5 ENROLL FRONT REC. CASEWORK ELEV

SCALE: 1/4"=1'-0"

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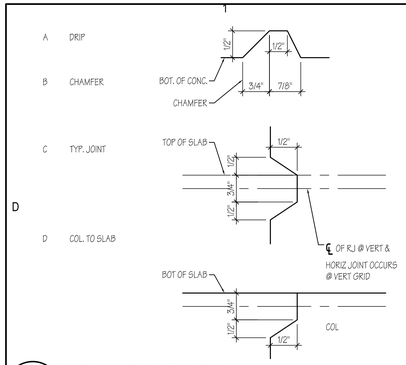
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

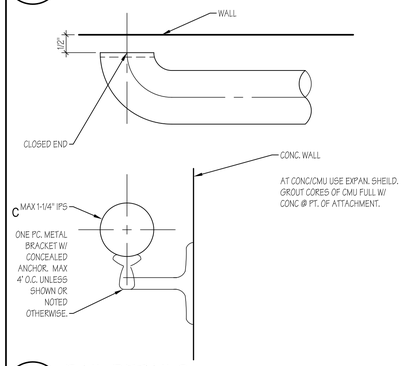
CASEWORK ELEVATION AND DETAILS

AE402

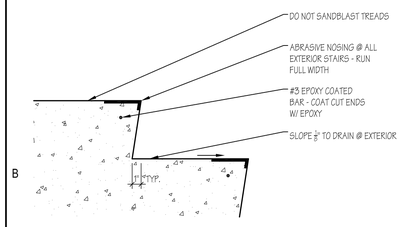
SHEET 22 OF



D1 STAIR RJ JOINTS
NTS

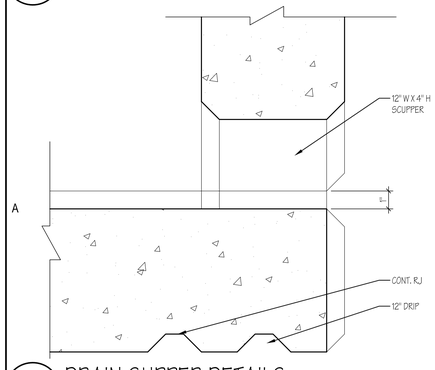


C1 RAIL DETAILS
NTS

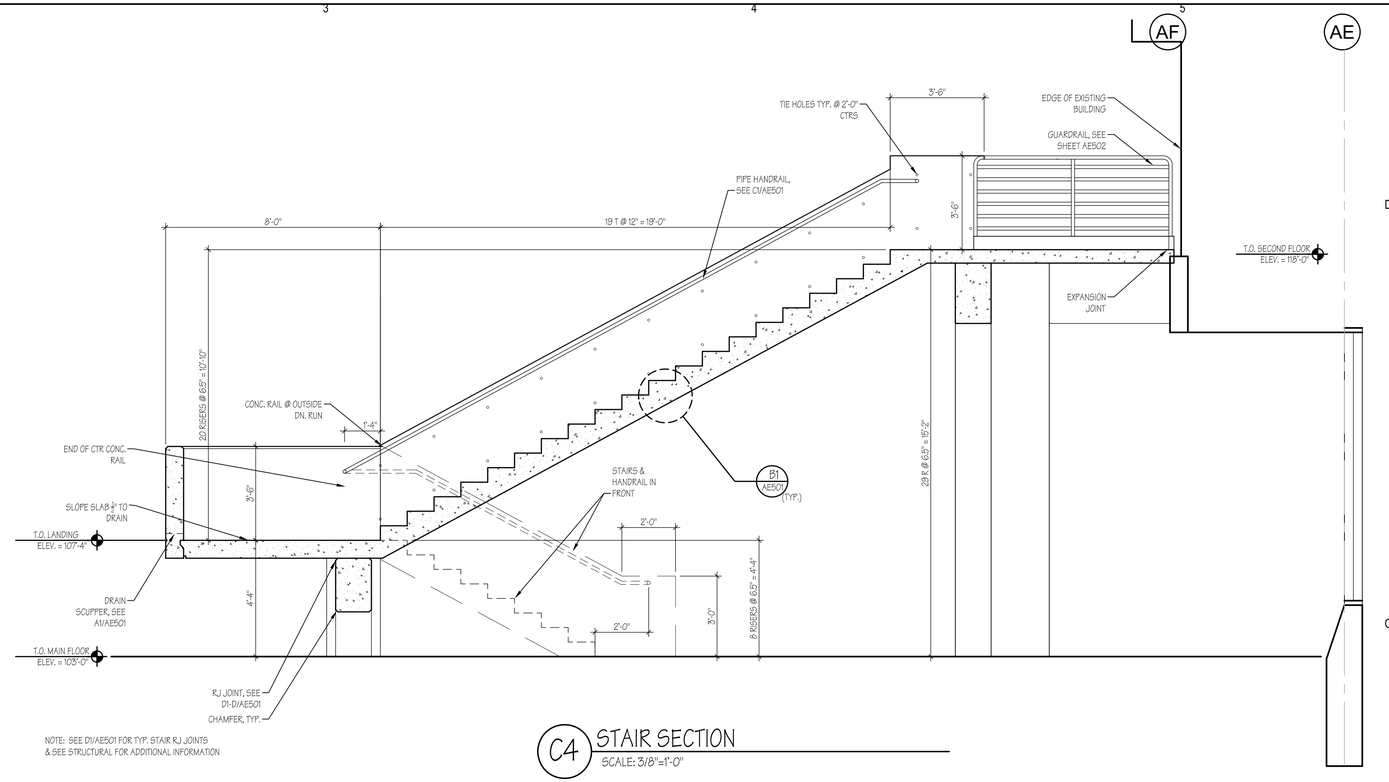


SEE STAIR DETAILS FOR RISE & RUN

B1 STAIR NOSING DETAIL
NTS

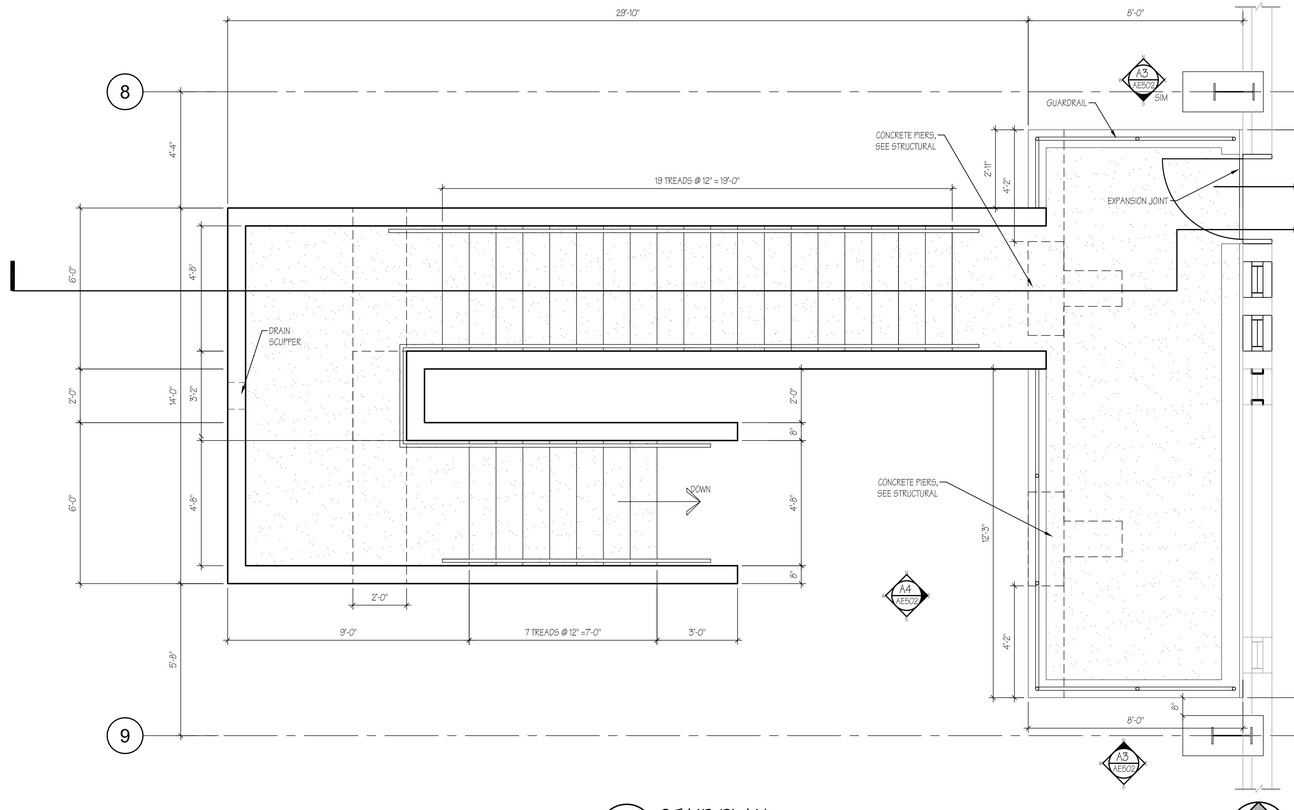


A1 DRAIN SUPPER DETAILS
SCALE: 3/8"=1'-0"



NOTE: SEE D1/AE501 FOR TYP. STAIR RJ JOINTS & SEE STRUCTURAL FOR ADDITIONAL INFORMATION

C4 STAIR SECTION
SCALE: 3/8"=1'-0"



A4 STAIR PLAN
SCALE: 3/8"=1'-0"

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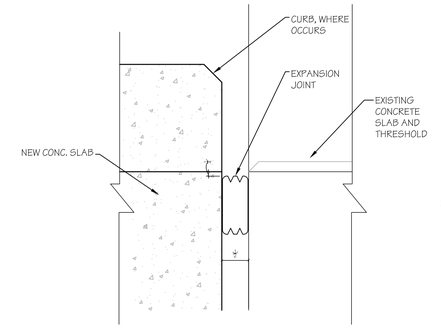
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

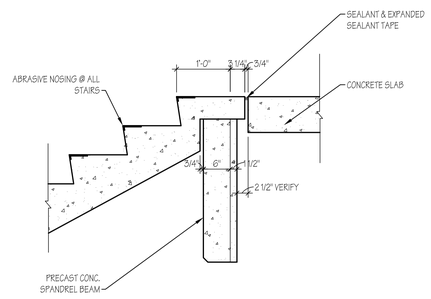
STAIR PLAN, STAIR SECTION & DETAILS

AE501

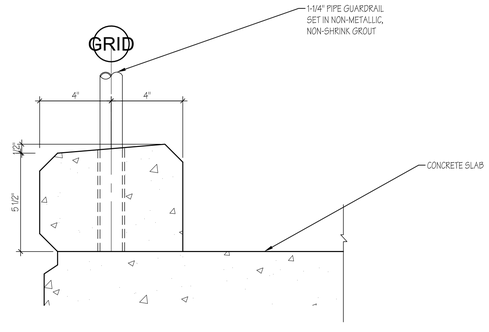
SHEET 23 OF



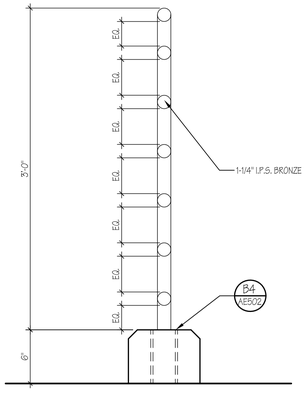
C5 EXPANSION JOINT DETAIL
SCALE: 3"=1'-0"



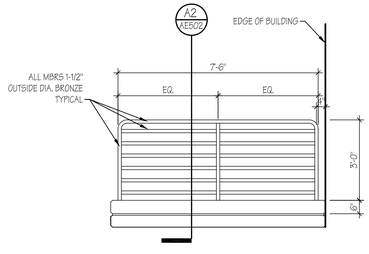
B3 PRECAST CONCRETE BEAM DETAIL
SCALE: 3/4"=1'-0"



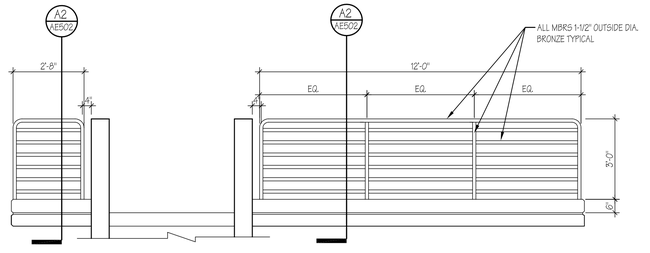
B4 GUARDRAIL PRECAST CURB DETAIL
SCALE: 3"=1'-0"



A2 GUARDRAIL DETAIL
SCALE: 1-1/2"=1'-0"



A3 GUARDRAIL SOUTH ELEV (NORTH SIM.)
SCALE: 3/8"=1'-0"



A4 GUARDRAIL WEST ELEVATION
SCALE: 3/8"=1'-0"

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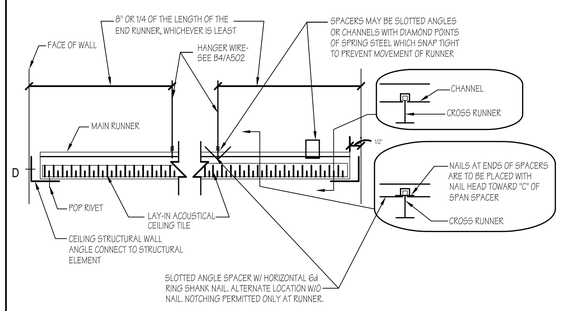
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

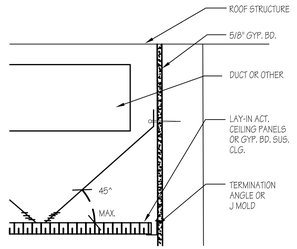
GUARDRAIL DETAILS

AE502

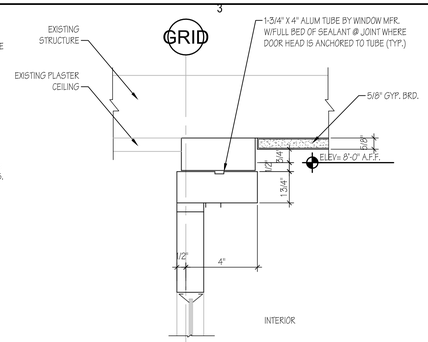
SHEET 24 OF



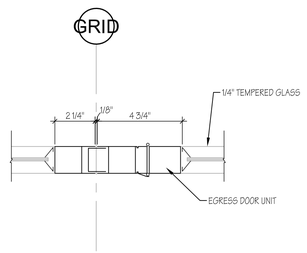
D1 SUSPENDED CEILING DETAIL
NTS



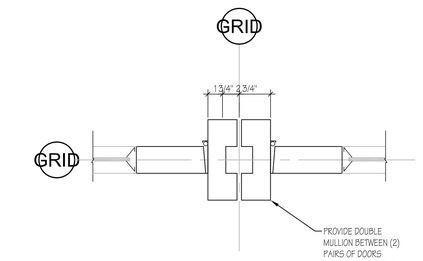
D2 SUSPENDED CEILING DETAIL
NTS



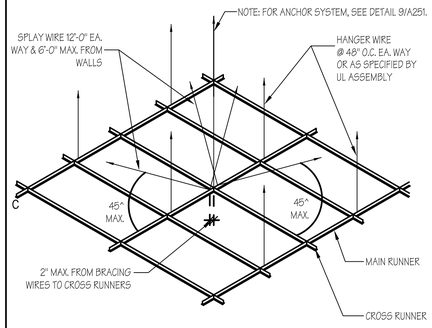
D3 ALUM HEAD DETAIL
SCALE: 3"=1'-0"



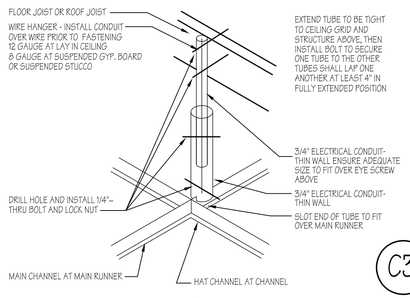
D4 ALUM HINGE JAMB DETAIL
SCALE: 3"=1'-0"



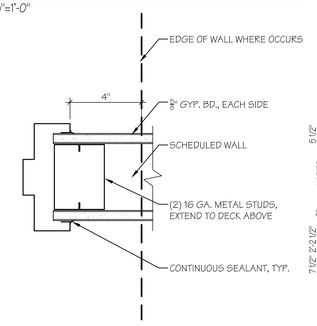
D5 ALUM DOUBLE MULLION
SCALE: 3"=1'-0"



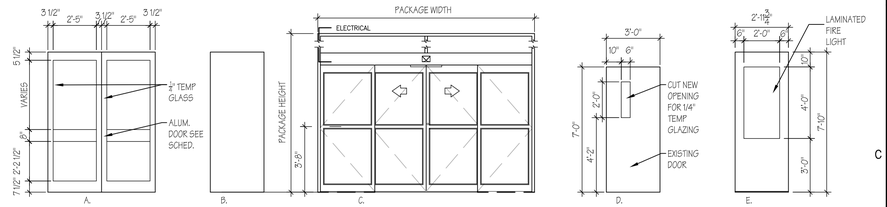
C1 CEILING GRID DETAIL
NTS



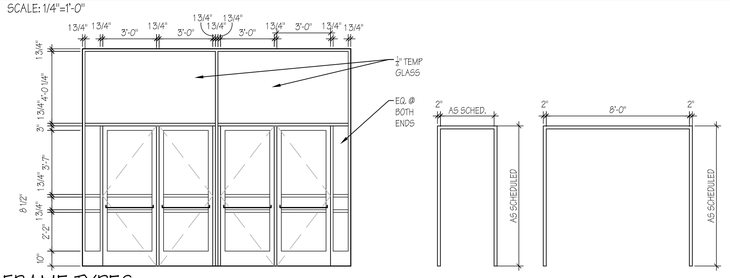
C2 SUSPENDED CEILING DETAIL
NTS



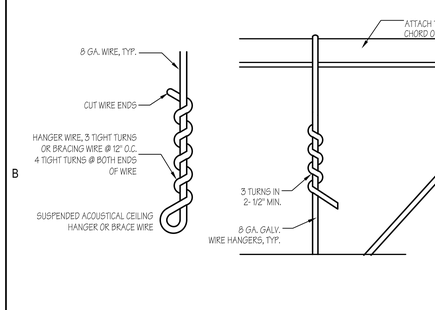
C3 JAMB DETAIL (HEAD SIMILAR)
SCALE: 3"=1'-0"



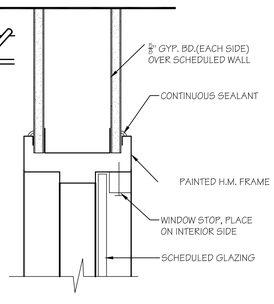
C4 DOOR TYPES
SCALE: 1/4"=1'-0"



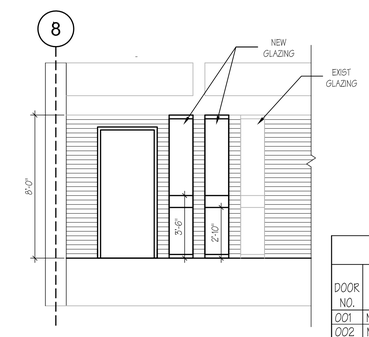
B4 FRAME TYPES
SCALE: 1/4"=1'-0"



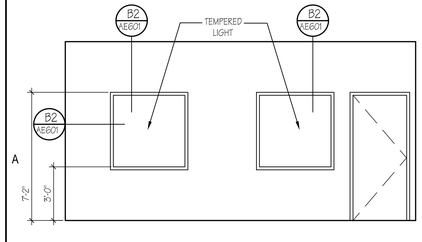
B1 SUSPENDED CEILING WIRE DETAIL
NTS



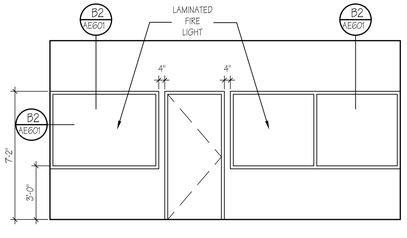
B2 WINDOW HEAD AND JAMB DETAIL
3"=1'-0"



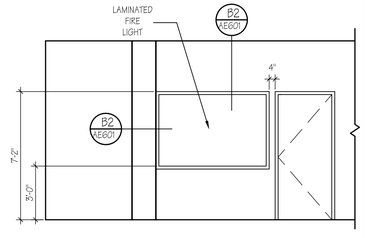
B3 EXTERIOR WINDOW ELEV
SCALE: 1/4"=1'-0"



A1 WINDOW ELEVATION
SCALE: 1/4"=1'-0"



A2 WINDOW ELEVATION
SCALE: 1/4"=1'-0"



A3 WINDOW ELEVATION
SCALE: 1/4"=1'-0"

DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR SIZE W	DOOR SIZE H	DOOR T	DOOR TYPE	DOOR MAT.	DOOR FINISH	FRAME TYPE	FRAME MAT.	FRAME FINISH	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	RATING	REMARKS	DOOR NO.
001	NORTH BASEMENT CLOSET	3'-0"	7'-10"	1 3/4"	B	HM		2	HM	PAINT	C3/AE601	C3/AE601	--	45 MIN.	--	001
002	NORTH BASEMENT STAIRCASE	PR (4'-0")	7'-10"	1 3/4"	B	HM		3	HM	PAINT	C3/AE601	C3/AE601	--	45 MIN.	--	002
003	SOUTH BASEMENT STAIRCASE	3'-0"	7'-10"	1 3/4"	B	HM		3	HM	PAINT	C3/AE601	C3/AE601	--	45 MIN.	--	003
004	SOUTH BASEMENT CLOSET	PR (4'-0")	7'-10"	1 3/4"	B	HM		2	HM	PAINT	C3/AE601	C3/AE601	--	45 MIN.	--	004
005	CONFERENCE ROOM	3'-0"	7'-10"	1 3/4"	E	HM		2	HM	PAINT	C3/AE601	C3/AE601	--	45 MIN.	--	005
102A	NORTH FIRST FLOOR VESTIBULE	14'-10" F.V.	7'-10"	STD.	C	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	102A
102B	NORTH FIRST FLOOR VESTIBULE	14'-10" F.V.	7'-10"	STD.	C	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	102B
103A	NORTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	103A
103B	NORTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	103B
103C	NORTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	103C
103D	NORTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	103D
107A	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	107A
107B	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	107B
107C	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	107C
107D	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	107D
108A	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	108A
108B	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	108B
108C	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	108C
108D	SOUTH FIRST FLOOR VESTIBULE	PR (3'-0")	7'-10"	STD.	A	ALUM.		1	AL		D3/AE601	D4/D5/AE601	--		--	108D
201	SECOND FLOOR CORRIDOR	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	B2/AE601	--	20 MIN.	--	201
201A	SECOND FLOOR EXTERIOR	3'-0"	7'-8-1/2"	1 3/4"	A	ALUM.		2	AL		1AE601	C4/C5/AE601	--		--	201A
205	SECOND FLOOR OFFICE	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--		--	205
207	SECOND FLOOR OFFICE	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--		--	207
208	SECOND FLOOR CONFERENCE RM	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--	20 MIN.	--	208
209	SECOND FLOOR DEAN'S OFFICE	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--		--	209
209A	SECOND FLOOR DEAN'S OFFICE	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--		--	209A
210	SECOND FLOOR RECEPTION	3'-0"	7'-0"	1 3/4"	B	SCWD	STAIN	2	HM	PAINT	C3/AE601	C3/AE601	--	20 MIN.	--	210
211	SECOND FLOOR ADVISING OFFICE	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	--		--	211
212	SECOND FLOOR ADVISING OFFICE	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	--		--	212
213	SECOND FLOOR ADVISING OFFICE	EXST.	EXST.	EXST.	D	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	EXST.	--		--	213

A4 DOOR SCHEDULE

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SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	JULY 14, 2008
DFCM PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	
DRAWN BY:	
CHECKED BY:	BS
DESIGNED BY:	BS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

DOOR SCHEDULE AND CEILING DETAILS

AE601

SHEET 25 OF

LEGEND of SYMBOLS

EXISTING TREES TO REMAIN

EXISTING LIGHTPOLES TO REMAIN

EXISTING 1' CONTOUR LINES

EXISTING SIGN ON TOP OF CONCRETE WALL

EXISTING SHRUBS TO REMAIN

KENTUCKY BLUEGRASS (SOD)

4' - 6' DIA "MOEN KOEPPI"
RED SANDSTONE BOULDERS
PLACEMENT TO BE APPROVED BY L.A.

1" DIA. CRUSHED WASHED GRAVEL
"DARK VERMILLION" AS MFG. BY
'WE DO ROCKS.COM' OR EQUAL

6" - 12" DIA. COBBLE ROCKS
"LIGHT VERMILLION" AS MFG. BY
'WE DO ROCKS.COM' OR EQUAL

4' - 6' DIA "MOEN KOEPPI"
RED SANDSTONE BOULDERS
CUT FLAT ONE SIDE - "FIRST CUT BOULDERS"
FIT FLUSH AGAINST EXISTING WALLS

FLAGPOLES - REF ARCHITECTURAL DRAWINGS

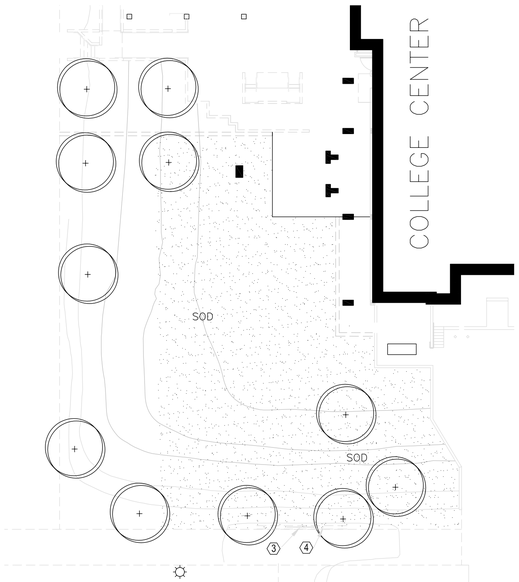
FOG	184 - Festuca o. glauca - Blue Fescue 1 GAL CAN @ 24" O.C.
CXA	34 - Calamagrostis x acutiflora "Karl Forrestor" 1 GAL CAN
CH	18 - Oryzopsis hymenoides - Indian Rice Grass 1 GAL CAN

NOTES:

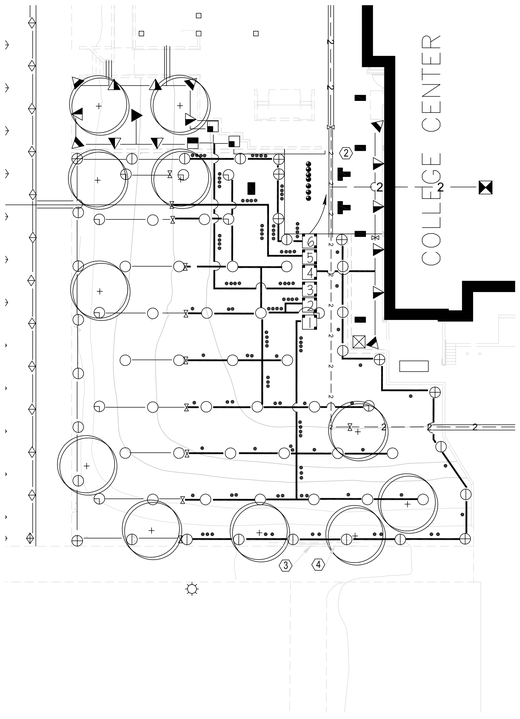
1. POINT OF CONNECTION - CONNECT TO EX. 2" PIPE
2. BURY 4" DIA PVC SCH 40 SLEEVE @ 18" DEPTH TO FLOW LINE.
3. EXISTING SIGN TO REMOVED DURING CONSTRUCTION & REPLACED UPON COMPLETION OF WORK.
4. EXISTING CONRETE WALL TO BE REMOVED FOR ACCESS TO PROJECT SITE. REPLACE WALL AND ACCOMPANYING SIGN UPON COMPLETION OF WORK.
5. REMOVE EXISTING CONCRETE MOWSTRIP
6. REMOVE EXISTING SHRUBS.

IRRIGATION LEGEND

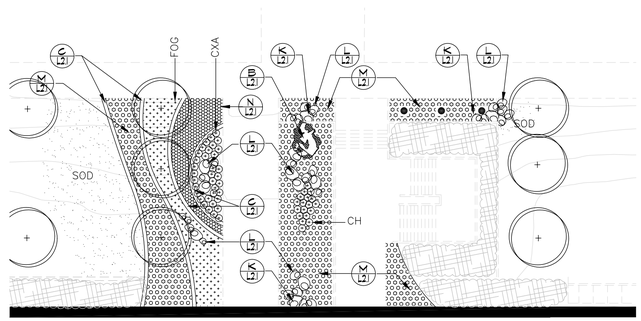
SYM	DESCRIPTION
	RAINBIRD 1804-PRS-15Q
	RAINBIRD 1804-PRS-15F
	RAINBIRD 1804-PRS-15H
	RAINBIRD 1804-PRS-15TQ
–Y–Y–Y–Y–	DRIP EMITTERS
	CUT EXISTING PIPES AT APPROX. LOCATION
4	RAINBIRD 200-PESB SERIES ELEC. REMOTE CONTROL VALVE (2")
— 2 —	MAINLINE - 2" SCH 40 PVC
— 2 —	EXISTING MAINLINE TO REMAIN
	EXISTING HEADS & LATERAL LINES TO REMAIN
	EXISTING VALES TO BE REMOVED
	LATERAL LINE - PVC SCH 40. S.A.S ● 1", ●● 1 1/4", ●●● 1 1/2", ●●●● 2",
	14 GAGE U.F. DIRECT BURIAL CONTROL WIRES AS PER SPECIFICATIONS. CONNECT TO CONTROLLER AS INDICATED ON THE DRAWINGS.
	EXISTING CONTROLLER TO REMAIN
	SLEEVES - 4" PVC SCH 40 PIPE. GLUE JOINTS AS REQUIRED.
NOTE	THIS SPRINKLER IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, EXCEPT WHERE CROSSING, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.



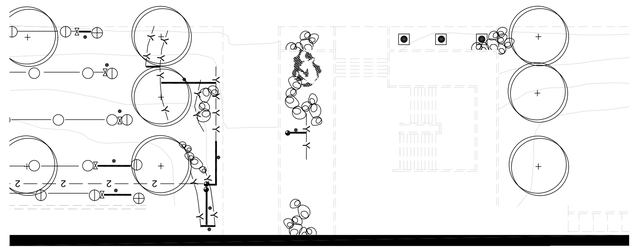
NORTH
PLANTING PLAN - AREA "B"
SCALE : 1" = 20'



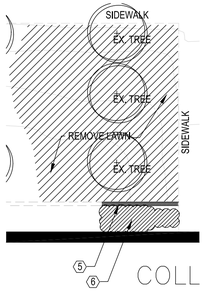
NORTH
IRRIGATION PLAN - AREA "B"
SCALE : 1" = 20'



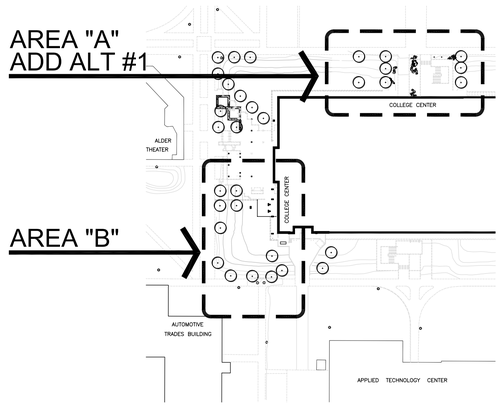
COLLEGE CENTER
NORTH
ADD ALT #1
PLANTING PLAN - ARERA "A"
SCALE : 1" = 20'



COLLEGE CENTER
NORTH
ADD ALT #1
IRRIGATION PLAN - AREA "A"
SCALE : 1" = 20'



NORTH
ADD ALT #1
DEMO PLAN - "A"
SCALE : 1" = 20'



NORTH
OVERVIEW
SCALE : 1" = 100'

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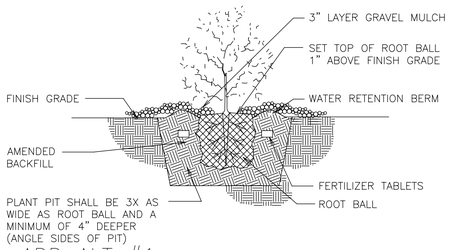
CAD DWG FILE NO:	
DRAWN BY:	
CHECKED BY:	BRENT
DESIGNED BY:	BRENT
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS
SHEET TITLE	

PLANTING & IRRIGATION PLANS

L1.1

SHEET OF

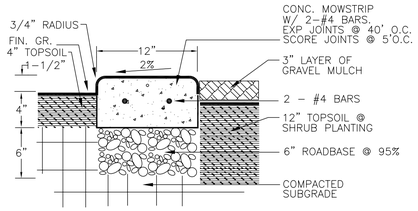


ADD ALT #1
SHRUB PLANTING DETAIL (A)

NOT TO SCALE

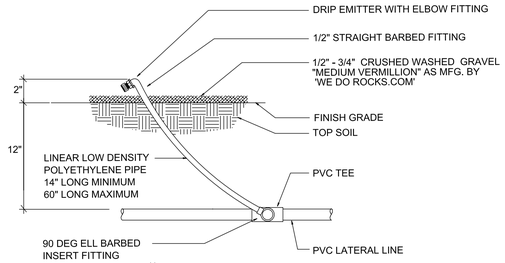
ADD ALT #1
BRUIN SCULPTURE (B)

NOT TO SCALE



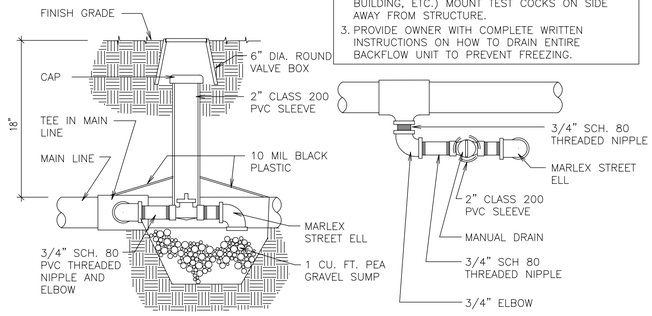
ADD ALT #1
CONCRETE MOWSTRIP (C)

NOT TO SCALE



ADD ALT #1
DRIP EMITTER SECTION (D)

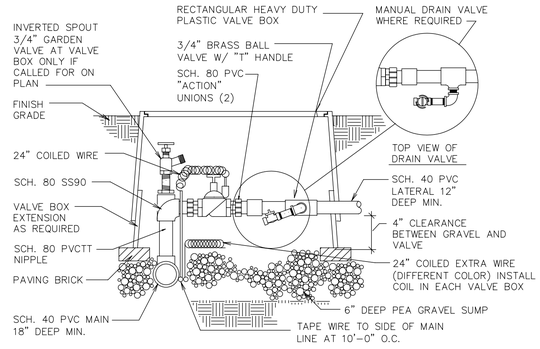
NOT TO SCALE



MANUAL DRAIN VALVE

NOT TO SCALE

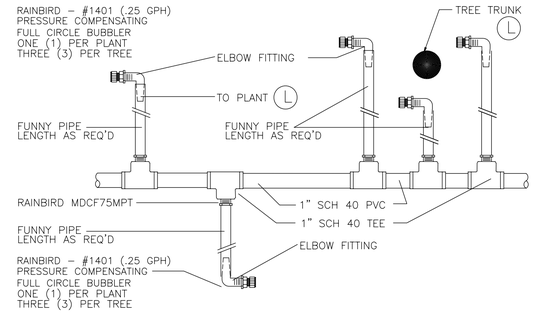
(E)



AUTOMAITC VALVE W/ DRAIN

NOT TO SCALE

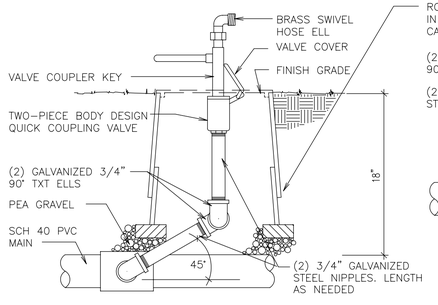
(F)

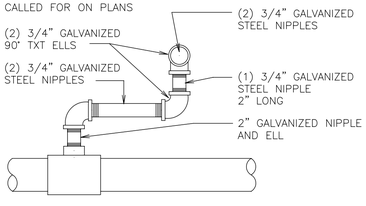


ADD ALT #1
DRIP LINE - LATERAL (G)

NOT TO SCALE

TO BE USED FOR PRESSURIZING SYSTEM

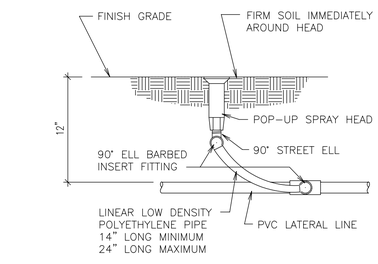




QUICK COUPLING VALVE

NOT TO SCALE

(I)



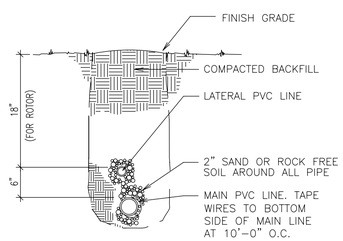
TURF OR SHRUB HEAD

NOT TO SCALE

(H)

IRRIGATION SYSTEM NOTES

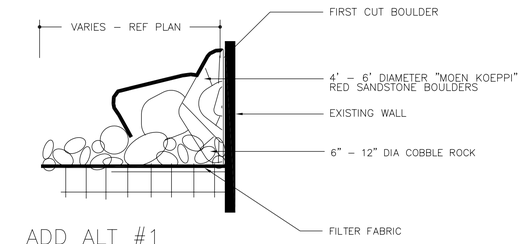
1. THIS SYSTEM WAS DESIGNED FOR 50 P.S.I. STATIC WATER PRESSURE AND 50 G.P.M. UNLESS INDICATED OTHERWISE ON PLAN. SHOULD THE PRESSURE AND THE GALLONAGE BE LESS THAN THIS, NOTIFY THE ARCHITECT BEFORE PROCEEDING WITH THE INSTALLATION SO THAT ADJUSTMENTS CAN BE MADE IN PIPE SIZING. IF PRESSURE IS MUCH GREATER, NOTIFY ARCHITECT, IT MAY REQUIRE A PRESSURE REDUCER.
2. THIS SPRINKLER IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, EXCEPT WHERE CROSSING, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.



TRENCH SECTION

NOT TO SCALE

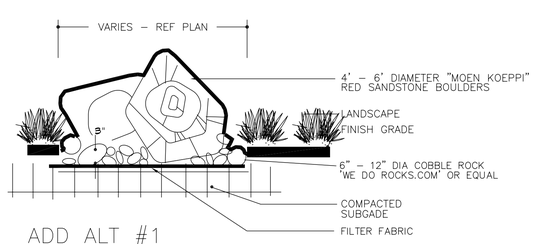
(J)



ADD ALT #1
FIRST CUT BOULDERS

NOT TO SCALE

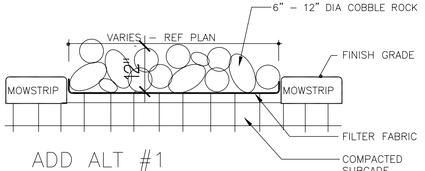
(K)



ADD ALT #1
LANDSCAPE ROCKS

NOT TO SCALE

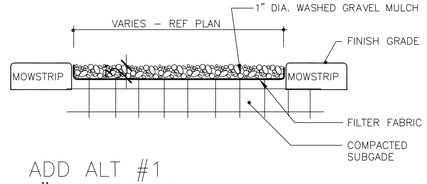
(L)



ADD ALT #1
6"-12" COBBLE ROCKS

NOT TO SCALE

(M)



ADD ALT #1
1" DIA GRAVEL MULCH

NOT TO SCALE

(N)

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DRAWN BY:	
CHECKED BY:	BRENT
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DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

LANDSCAPE DETAILS

L2.1

SHEET OF

GENERAL STRUCTURAL NOTES

I. Design Criteria

A. Governing Building Code: 2006 International Building Code (IBC)

B. Stair Live Loading:
1. Stairs and Exit Ways: ..... 100 psf Live Load
2. Snow Load: ..... 36 psf + Drift per IBC
   a. Ground Snow Load, P_g: ..... 43 psf
   b. Snow Exposure Factor, C_e: 1.0
   c. Importance Factor, I_s: 1.0
   d. Thermal Factor, C_t: 1.2

C. Earthquake:
1. Occupancy Category: II
2. Seismic Design Category ..... D
3. Spectral Response Accelerations:
   S_s = 1.55 g S_{DS} = 1.04 g
   S_1 = 0.61 g S_{D1} = 0.61 g
4. Soil Site Class: ..... D
   F_a = 1.00 F_v = 1.5
5. Basic Seismic-Force-Resisting System: ..... Cantilever column detailed to conform to the requirements of special concrete moment frames.
   R = 2.5 C_d = 2.5 Ω_0 = 1.25
6. Importance Factor, I_E: 1.0
7. Design Base Shear: ..... 56 kips
8. Design Story Drift, Δ: ..... 2 in
9. Analysis Procedure: ..... Equivalent Lateral Force (Static)

D. Wind:
1. Basic Wind Speed (3-second gust): ..... 90 mph
2. Importance Factor, I_W: 1.0
3. Exposure: C
4. Internal Pressure Coefficient, GC_{pi}: 0.18
5. Topographic Factor, K_{zt}: 1.0

E. Foundation:
1. Subsurface Conditions:
   The original soils report for the primary adjacent structure was used to obtain foundation information. This approach was verified by the geotechnical engineering firm who authored the report.
2. Soils Report by RB&G Engineering, dated April 6, 1970.
3. Caisson End Bearing Pressure: ..... 24,000 psf (sands), 18,000 psf (clays)

II. Earthwork

A. Clearing: The entire building area shall be scraped to remove the top 4 inches of soil, including all vegetation and debris.

III. Concrete

A. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-05, "Building Code Requirements for Structural Concrete."
1. Compressive strengths of concrete at 28 days shall be as follows:
   a. Drilled Shafts: ..... 4000 psi
   b. Slabs on Grade: ..... 3000 psi
   c. Walls: ..... 4000 psi
   d. Columns: ..... 4000 psi
   e. Beams and Suspended Slabs: ..... 4000 psi
   f. All other Site Cast Concrete: ..... 4000 psi
2. Concrete Density (Maximum Air Dry Weight):
   a. Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot.
3. Reinforcement steel:
   a. ASTM A615 Grade 60, fy = 60,000 psi min. unless noted otherwise.
   b. All reinforcing steel shall be epoxy-coated except drilled shaft reinforcement cages
   c. Reinforcement at concrete columns shall be ASTM A706 or ASTM A615 Grade 60, with the following properties:
      (1) Actual yield strength based on mill tests shall not exceed 78,000 psi.
      (2) Retest shall not exceed 81,000 psi.
      (3) Ratio of actual ultimate tensile stress to the actual yield strength shall not be less than 1.25.
      (4) Mill tests shall be submitted to the Engineer.
4. Admixtures:
   a. Air-entraining admixtures, comply with ASTM C 260 (when used). Provide air entrainment of 6% ± 1%.
   b. Provide non-set accelerating corrosion inhibiting admixture dosed at a rate of 3 gallons/cubic yard in all concrete above grade.
   c. Calcium chloride shall not be added to the concrete mix.
5. Only one grade or type of concrete shall be poured on the site at any given time.
6. Plastic coated tie wires and chairs shall be used to support reinforcing bars, tie bars and tendons.

B. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.

C. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete".
1. Cast-in-place Concrete: Clear Cover
   a. Cast against and permanently exposed to earth: ..... 3"
   b. Formed concrete exposed to earth or weather:
      #6 thru #18 bars ..... 2"
      #5 and smaller bars ..... 1 1/2"

D. Construction Joints and Control Joints:
1. All horizontal and vertical construction joints shall have a continuous 2 X 4 keyway along the joint or joints shall be intentionally roughened to a full amplitude of approximately ¼", unless noted otherwise.
2. Provide reinforcement dowels to match the member reinforcement across the joint. For dowels across construction joints refer to specific project plans, schedules, and details.
3. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction. All discontinuous control or construction joints shall be reinforced with 2 - #4 x 48".
4. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. Control joints shall be completed within 12 hours of concrete placement. Control joints may be installed by:
   a. Saw cut a depth of 1/4 the thickness of the slab
   b. Tooled joints a depth of 1/4 the thickness of the slab
5. Control joints in visually exposed walls, unless noted otherwise:
   a. Reinforcing shall be continuous through control and construction joints, unless noted otherwise.

E. Detailing: All reinforcing, shall be detailed, bolstered & supported to comply with ACI 315, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically shown on drawings.
1. Lap splice lengths shall be detailed to comply with the "Reinforcing Bar Lap Splice Schedule" contained within the contract drawings. Splices may be made with mechanical splices capable of 125% tension capacity of the bar being spliced. Mechanical splices shall be the positive connecting type coupler. They shall be covered by a current ICC Code Evaluation Report. Use "Cadweld" splice sleeves with ferrous filler, "Lenton" taper threaded rebar splices, "Bar-Lock" lockshear bolt coupling sleeves, or approved equivalent. If mechanical splices are used, splices or couplers on adjacent bars shall be staggered a minimum of 24" apart along the longitudinal axis of the reinforcing bars.
2. All embedments and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
3. Use chairs or other support devices recommended by the CRSI to support and tie reinforcement bars prior to placing concrete.
4. Provide corner bars at intersecting wall corners using the same bar size and spacing as the horizontal wall reinforcing. Unless noted otherwise, corner bar lap lengths shall conform with reinforcing bar lap splice lengths as noted above.
5. All vertical reinforcing shall be doweled to foundation, or to the structure below. Dowels shall be the same size and at the same spacing as the vertical reinforcing scheduled (or detailed) for the element above. Lap splice lengths shall comply as noted above or as shown in the drawings. Dowels extending into foundations shall terminate with a 90 degree standard ACI hook and shall extend to within 4" of the bottom of the pile cap or pier.
6. Horizontal wall reinforcing shall terminate at ends of walls and openings into the far end of the jamb column with a 90-degree standard ACI hook, unless shown otherwise. Lap horizontal bar splices as noted above or as shown in the drawings. Horizontal wall reinforcing shall be continuous through construction and control joints. Splices in horizontal reinforcement shall be staggered, so the splice laps will not overlap. Splices in two curtains where used shall not occur in the same location, splice laps shall not overlap.
7. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to concrete placement.
8. All tied columns shall have ties spaced at one-half the required tie spacing for a distance of one-sixth of the column height above and below all floor (or beam) and roof (or beam) levels or any other point of lateral support, unless noted or detailed otherwise on the structural drawings.
9. Column cross-ties shall have a 135 degree hook at one end and a 90 degree hook at the other. The hooks shall engage the vertical column reinforcement. The 135 degree hooks of consecutive cross-ties engaging the same vertical bars shall engage alternate vertical bars
10. Splices in vertical column reinforcing is not permitted. Where changes in the cross section of the column occur, the longitudinal bars shall be offset in a region where lateral support is afforded. Where offset, the slope of the inclined portion of the bar shall not exceed 1 to 6 (horizontal to vertical). In the case of tied columns, the ties shall be spaced not over three inches on center for a distance of one foot above and one foot below the point of offset.
11. All reinforcement shall be bent cold, and shall be bent only once at the same location. All reinforcement shall be shop bent, unless otherwise permitted by the engineer.

F. Minimum Reinforcing: Wall reinforcing shall be as follows, unless noted otherwise:

Wall Thickness	Horizontal Reinf.	Vertical Reinf.
8"	#5 @ 15" o.c.	#4 @ 16" o.c.
Others	0.25% of Wall Area	0.15% of Wall Area

IV. Special Instructions

A. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them. Consult the specifications for additional requirements in each section. Notes and specific details on the drawings shall take precedence over General Structural Notes and typical details.

B. The architectural drawings are the prime contract drawings. Consultant drawings by other disciplines are supplementary to the architectural drawings. All omissions or conflicts, including dimensions, between the various elements of the consultants' drawings and/or specifications shall be brought to the attention of the Architect before proceeding with any work involved. In case of conflict, follow the most stringent requirement as directed by the Architect without additional cost to the owner. Any work done by the contractor after discovery of such discrepancy shall be done at the contractor's risk.

C. The structural drawings shall be used in conjunction with the architectural drawings. Primary structural elements and overall structural layout are indicated within the structural plans and details. Some secondary elements, architectural layouts, alcoves, elevations, slopes, depressions, curbs, mechanical equipment and electrical equipment, are not indicated within the structural drawings. Detailing and shop drawing production for structural elements will require information (including dimensions) contained in the architectural, structural and/or other consultants' drawings.

D. Shoring and Bracing Requirements:
1. Primary Stair Structure -- The General Contractor is responsible for the method and sequence of all structural erection. He shall provide temporary shoring and bracing as his method of erection requires to provide adequate vertical and lateral support. Shoring and bracing shall remain in place as the chosen method requires until all permanent members are in place and all final connections are completed. The building shall not be considered stable until all connections are complete.
2. Walls above grade shall be braced until the structural system is complete. Walls shall not be considered to be self supporting.

E. All expansion joints (E.J.) shown in the structural drawings shall be considered seismic separation joints, unless noted otherwise.

F. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the contractor of the responsibility of completing the project according to the contract documents. The general contractor shall review and mark all shop drawings prior to submitting them to the Architect for his review. Shop Drawings made from reproductions of (these) contract drawings will be rejected.

G. Project Coordination: It shall be the responsibility of the general contractor to coordinate with all trades any and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the general contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the general contractor. It is the contractor's obligation to provide all items necessary for his chosen procedure.

H. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, contractor shall notify architect/engineer prior to fabrication or construction within that area.

I. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers and Associates, Inc., All Rights reserved. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers & Associates, Inc.'s reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers and Associates, Inc. for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the contractor or his subcontractors for preparation of shop drawings or other submittals.

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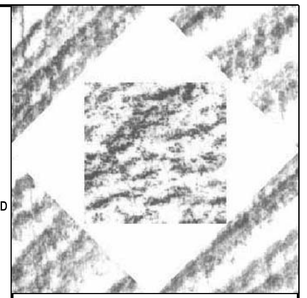
V. Quality Assurance

A. Quality Assurance Agency Requirements:
1. The owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. All quality assurance personnel assigned to the project shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
2. Prior to construction, the QAA shall prepare a written Quality Assurance Implementation Plan (QAIP) for the project. The QAIP shall include a list of personnel assigned to the project including management personnel, inspection procedures and frequency, proposed testing methods and frequency of testing, and reporting procedures. The QAIP shall also outline methods of documenting deficiencies and reporting corrections. A copy of the QAIP shall be given to the contractor for review and coordination with subcontractors.
3. Prior to construction, the QAA shall submit the following information to the Architect and Engineer of Record for approval:
   a. A copy of the Quality Assurance Implementation Plan for the project.
   b. A copy of the appropriate certification and training records for each individual performing inspections or testing.
   c. A list of the testing equipment designated for the project and recent calibration records for the equipment.
   d. Sample inspection and testing reports and the distribution list for the reports.
4. The special inspector shall inspect the work per Chapter 17 of the IBC for conformance with the contract documents. The special inspector shall send reports to the owner, building official, architect, engineer, and contractor. All discrepancies shall be brought to the immediate attention of the contractor for correction. The QAA shall submit a final signed report stating that the special inspection work was, to the best of their knowledge, in conformance with the plans, specifications and applicable workmanship provisions of the IBC.

B. Seismic Force Resisting Systems
1. Elements that are a part of the Main Seismic Force Resisting System for the structure may require increased quality assurance inspection and testing. The Main Seismic Force Resisting system for the structure includes the following elements:
   a. Concrete columns and beams that are part of a concrete moment frame.
   b. Foundation systems that directly support walls, columns and braces referenced above.
   c. Connections between the elements referenced above.

C. Special Inspection: Special Inspection shall be provided for the following elements per IBC sections 1704 and 1707:
1. Concrete and elements embedded in concrete shall be special inspected prior to and during placement of concrete. Special inspection of concrete shall include the following:
   a. Reinforcing steel size and placement.
   b. Surface preparation at cold joints including placement of keyways.
   c. Embed size, configuration and placement.
   d. Concrete shall receive continuous special inspection during placement, and periodic inspection after placement to ensure proper curing and weather protection procedures.
2. Post-installed anchors, including but not limited to expansion anchors, adhesive anchors and rebar dowels, and low velocity fasteners, shall receive special inspection per the code evaluation reports for the anchors.
   a. Continuous special inspection is required during the installation of all adhesive anchors and rebar dowels. Special inspector shall verify the following:
      (1) Anchor size and steel grade.
      (2) Hole diameter, location, and type of drill bit.
      (3) Cleanliness of hole and anchor.
      (4) Adhesive application.



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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL STRUCTURAL NOTES

SE001

SHEET OF

GENERAL STRUCTURAL NOTES

(5) Anchor embedment.

3. Drilled pier construction shall receive continuous special inspection during installation and testing.

D. Structural Testing: The following materials shall be tested per IBC sections 1704 and 1708. The owner reserves the right to test any and all materials using any appropriate non-destructive procedure. Any items found to be deficient shall be corrected and retested at no additional cost to the owner.
1. Concrete Strength Verification and Testing. All concrete shall be tested to verify strength, slump, unit weight, air content, and temperature. See the specifications for testing criteria, testing frequency and acceptability criteria.
2. Post-installed anchors, including but not limited to expansion anchors, adhesive anchors, and low velocity fasteners, shall be tested per the code evaluation reports for the anchors.

E. Structural Observations by the Engineer of Record.
1. The Engineer of Record may perform structural observations at critical phases of the project. Copies of the engineer's report will be distributed to the architect, contractor, owner, and QAA.
2. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.
3. Notification of Engineer: The contractor shall notify the engineer twenty-four hours prior to:
   a. Placing concrete in any footing.
   b. Closing any wall forms.
   c. Placing concrete in any column, beam or suspended slab.

F. Contractor Responsibility: The contractor shall prepare and submit a written statement of responsibility to the building official and the owner prior to commencement of work on the project. As a minimum the statement shall contain the following information:
1. Acknowledgement of the quality assurance requirements for the structure.
2. Acknowledgement of receipt of the Quality Assurance Implementation Plan (QAIP) from the testing agency.
3. Acknowledgement that control will be exercised to obtain conformance to the Contract Documents and the QAIP.
4. Quality control procedures within the contractor's organization, methods and frequency of reporting, and distribution of the reports.
5. Identification and qualifications of the person(s) responsible for quality control and their position(s) in the organization.

CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE

RBLS-1

BAR SIZE Fy = 60 KSI	TENSION BARS																COMP. BARS
	f'c = 3000 PSI				f'c = 4000 PSI				f'c = 5000 PSI				f'c = 6000 PSI				f'c = ALL
	REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		REGULAR		TOP		
	CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		CLASS		
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
#3	17"	22"	22"	28"	15"	19"	19"	25"	13"	17"	17"	22"	12"	16"	16"	20"	12"
#4	22"	29"	29"	38"	19"	25"	25"	33"	17"	23"	23"	29"	16"	21"	21"	27"	15"
#5	28"	36"	36"	47"	24"	31"	31"	41"	22"	28"	28"	36"	20"	26"	26"	33"	19"
#6	33"	43"	43"	56"	29"	37"	37"	49"	26"	34"	34"	44"	24"	31"	31"	40"	23"
#7	48"	63"	63"	81"	42"	54"	54"	71"	38"	49"	49"	63"	34"	45"	45"	58"	27"
#8	55"	72"	72"	93"	48"	62"	62"	81"	43"	56"	56"	72"	39"	51"	51"	66"	30"
#9	62"	81"	81"	105"	54"	70"	70"	91"	48"	63"	63"	81"	44"	57"	57"	74"	34"
#10	70"	91"	91"	118"	61"	79"	79"	102"	54"	71"	71"	92"	50"	64"	64"	84"	39"
#11	78"	101"	101"	131"	67"	87"	87"	114"	60"	78"	78"	102"	55"	71"	71"	93"	43"

NOTES: THESE NOTES SHALL BE USED FOR ALL SPLICES, UNLESS NOTED OTHERWISE ON DRAWINGS.

1. TOP BARS ARE HORIZONTAL BARS, SPLICED SO THAT 12" OR MORE OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCING BAR.
2. CLASS A SPLICES MAY BE USED ONLY WHEN 50% OR LESS OF THE BARS ARE SPLICED WITHIN THE LAP SPLICE LENGTH.
3. CLASS B SPLICES SHALL BE USED FOR ALL SPLICES IN SLABS, BEAMS, JOISTS, WALLS, MOMENT RESISTING COLUMNS, AND JAMB COLUMNS, UNLESS THEY MEET THE REQUIREMENTS OF NOTE #2 ABOVE.
4. TIES AND STIRRUPS SHALL NOT BE SPLICED.
5. A. FOR BUNDLED BARS OF THREE OR LESS, LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2.
   B. FOR BUNDLED BARS OF FOUR OR MORE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.33.
   C. INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP. ENTIRE BUNDLES SHALL NOT BE LAP SPLICED.
6. FOR ALL LIGHTWEIGHT CONCRETE, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3.
7. FOR ALL EPOXY COATED BARS WITH COVER LESS THAN 3 BAR DIAMETERS OF CLEAR SPACING LESS THAN 6 BAR DIAMETERS THE LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.5. FOR ALL OTHER EPOXY BARS THE SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.2
8. THE BAR LAP SPLICE LENGTHS SHALL BE MULTIPLIED BY 1.5 WHEN EITHER OF THE FOLLOWING IS TRUE:
   A. CLEAR SPACING OF BARS BEING DEVELOPED IS LESS THAN ONE BAR DIAMETER, CLEAR COVER IS LESS THAN ONE BAR DIAMETER AND STIRRUPS OR TIES ALONG THE LENGTH OF THE SPLICE ARE LESS THAN THE CODE MINIMUM.
   B. CLEAR SPACING OF BARS BEING DEVELOPED IS LESS THAN 2 BAR DIAMETERS AND CLEAR COVER IS LESS THAN ONE BAR DIAMETER.

AS PER ACI 318-02

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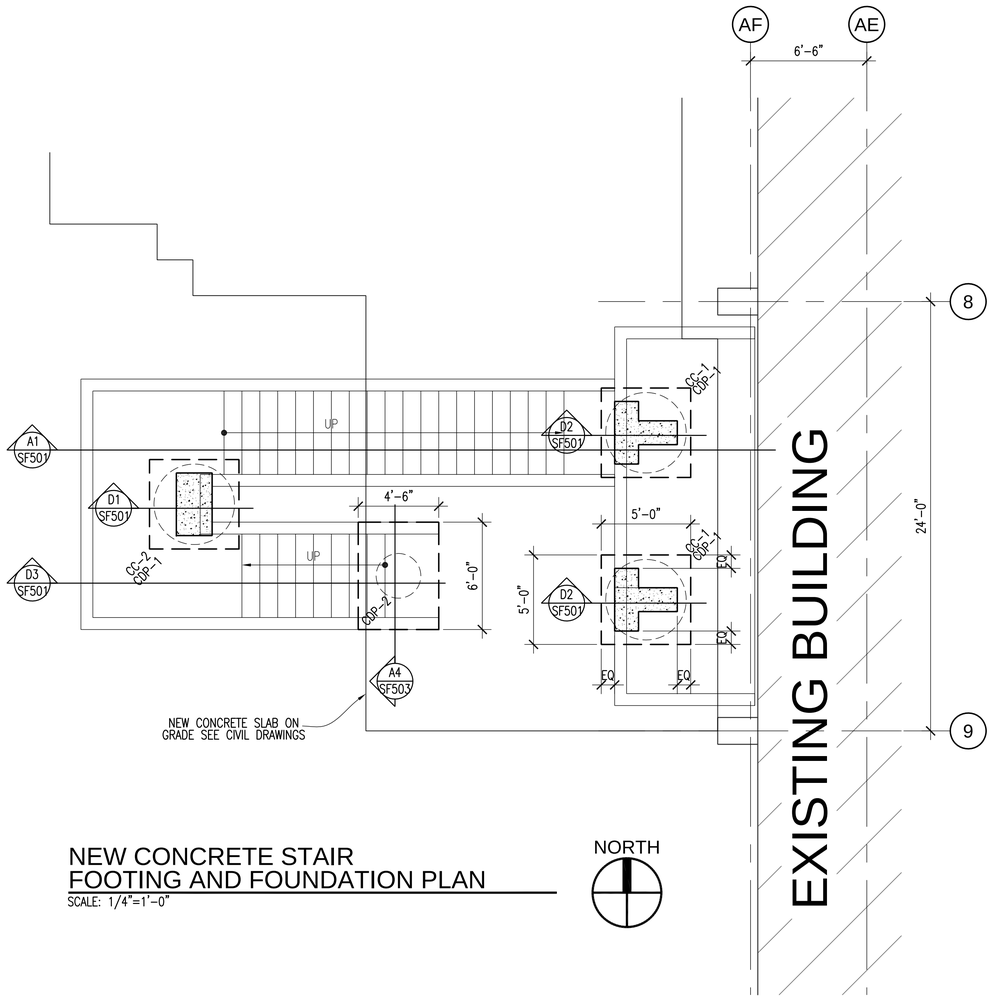
CHECKED BY:	MRH
DESIGNED BY:	JB
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL STRUCTURAL NOTES

SE002

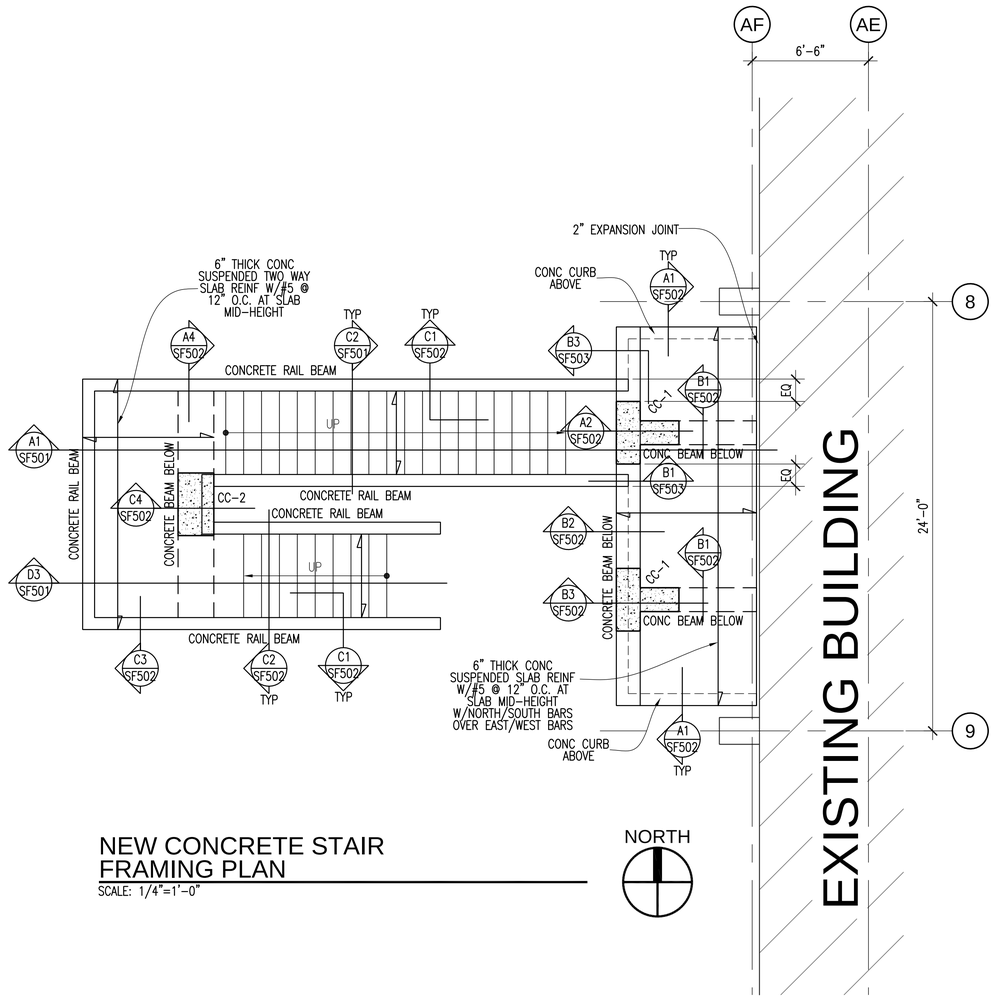
SHEET OF



NEW CONCRETE STAIR FOOTING AND FOUNDATION PLAN

SCALE: 1/4"=1'-0"

NORTH



NEW CONCRETE STAIR FRAMING PLAN

SCALE: 1/4"=1'-0"

NORTH

FOOTING & FOUNDATION PLAN NOTES

NOTE-FOOTING

1. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS ETC.
2. CONCRETE DRILLED PIERS SHALL BE POURED THE SAME DAY THAT THE HOLES ARE DRILLED.
3. CONCRETE DRILLED PIERS SHALL BE CASED AS REQUIRED TO PREVENT HOLE COLLAPSE BEFORE CONCRETE PLACEMENT.

CONCRETE FRAMING PLAN LEGEND

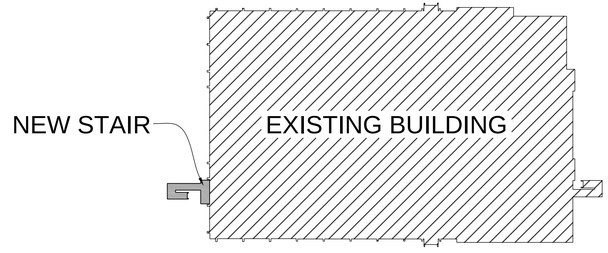
LEG-CONC

- CONCRETE DRILLED PIER
- CONCRETE PIER CAP
- CONCRETE COLUMN
- CONCRETE BEAM

FRAMING PLAN NOTES

NOTE-FOOTING

1. ALL REINFORCING IN CONCRETE ABOVE GRADE SHALL BE EPOXY COATED.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL REVEALS, CHAMFERS AND DRIP LINES ECT.
3. SEE DETAIL A3/SF502 FOR TYPICAL REINFORCING AT WALL/BEAM CORNERS.
4. SEE ARCH FOR STAIR AND LANDING ELEVATIONS AND DIMENSIONS.
5. SEE ARCH DRAWINGS FOR DRAINAGE REQUIREMENTS INCLUDING SLOPES AND SCUPPERS.
6. CONCRETE COVER REQUIREMENTS PER GSN SHALL APPLY AT ALL ARCHITECTURAL REVEALS, CHAMFERS AND DRIP LINES ECT.



KEY PLAN

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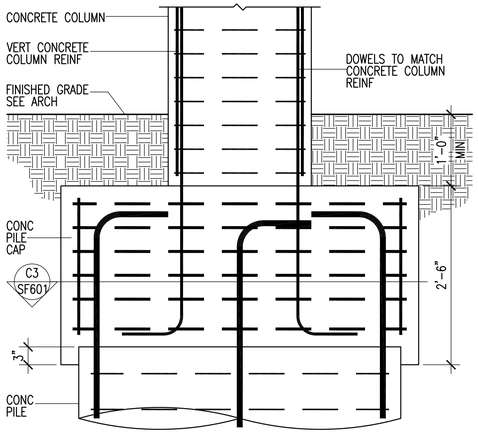
STAIR FOOTING AND FOUNDATION/ FRAMING PLANS

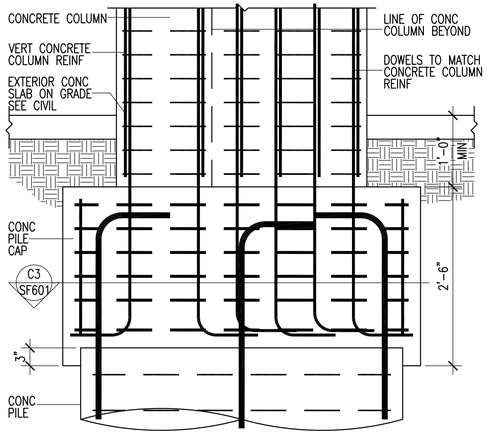
SF101

SHEET OF



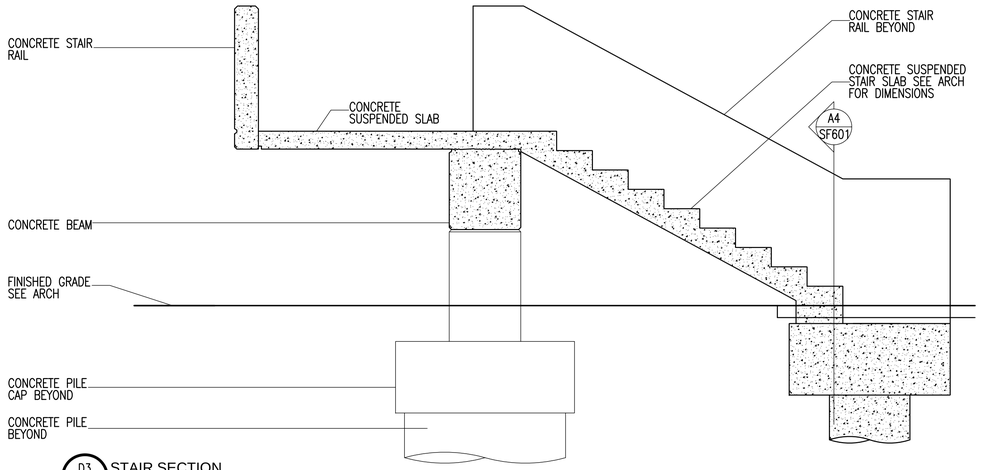
D1 SF501 CONCRETE COLUMN CONNECTION TO CONCRETE PILE CAP NO SCALE

2008-079-SF501/D1



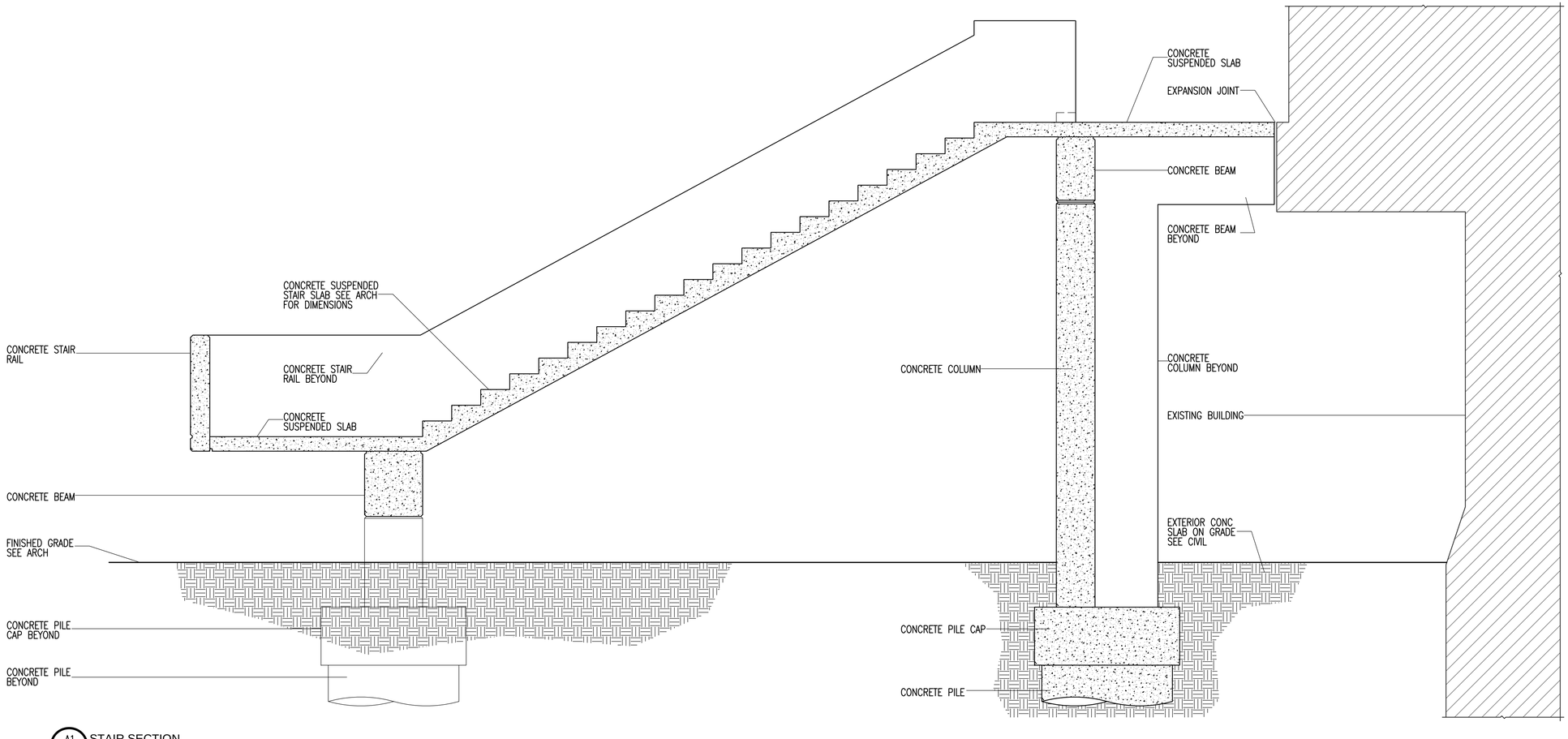
D2 SF501 CONCRETE COLUMN CONNECTION TO CONCRETE PILE CAP NO SCALE

2008-079-SF501/D1



D3 SF501 STAIR SECTION NO SCALE

2008-079-SF502/D3



A1 SF501 STAIR SECTION NO SCALE

2008-079-SF502/A1

NOTE: ALL REINFORCING SHALL BE EPOXY COATED

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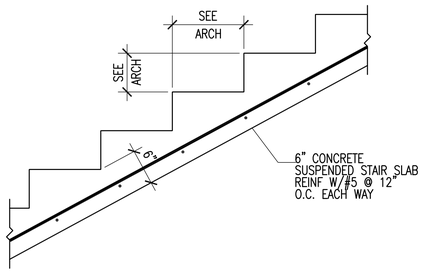
STAIR FRAMING DETAIL SHEET

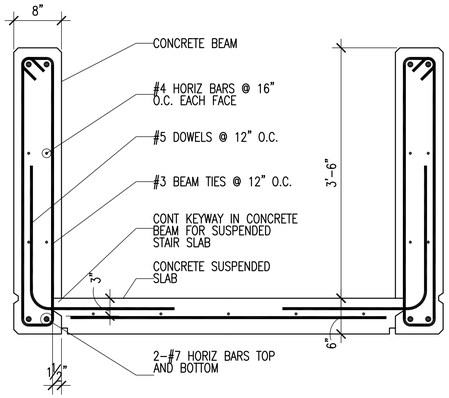
SF501

SHEET OF



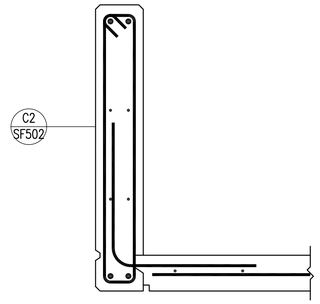
C1 SF502 DETAIL AT SUSPENDED STAIR SLAB
NO SCALE

2008-079-SF502/C1



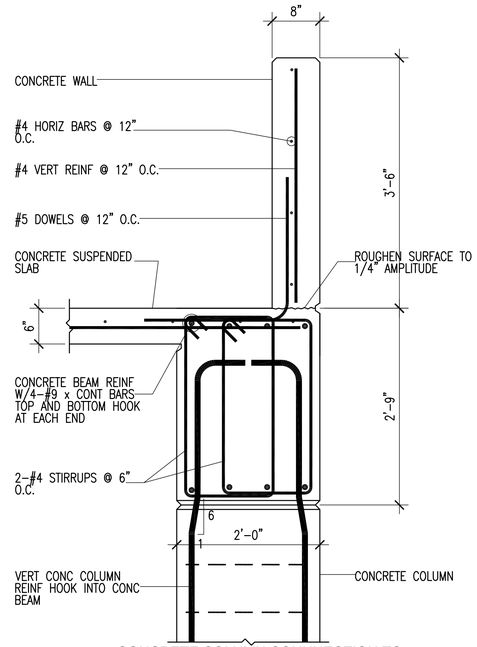
C2 SF502 TYPICAL SECTION THRU STAIR
NO SCALE

2008-079-SF502/C2



C3 SF502 TYPICAL SECTION THRU STAIR
NO SCALE

2008-079-SF502/C3



C4 SF502 CONCRETE COLUMN CONNNECTION TO CONCRETE BEAM
NO SCALE

2008-079-SF502/C4

B1 SF502 CONCRETE SUSPENDED SLAB TO CONCRETE BEAM
NO SCALE

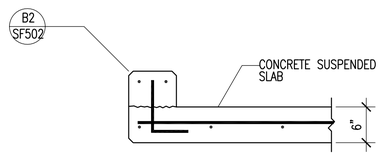
2008-079-SF502/B1

B2 SF502 CONCRETE BEAM EDGE CONDITION
NO SCALE

2008-079-SF502/C1

B3 SF502 CONCRETE BEAM TO CONCRETE COLUMN
NO SCALE

2008-079-SF502/B3



A1 SF502 CONCRETE CURB DETAIL
NO SCALE

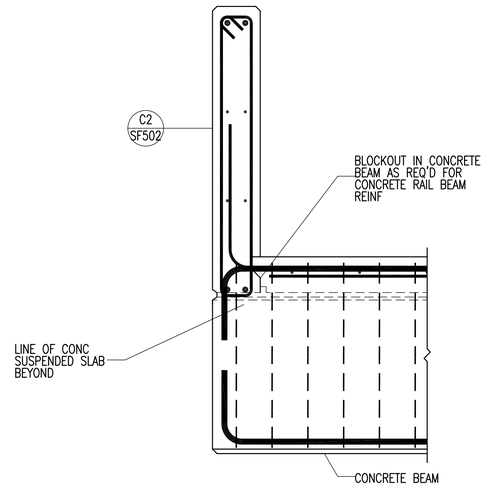
2008-079-SF502/A1

A2 SF502 CONCRETE BEAM TO CONCRETE COLUMN
NO SCALE

2008-079-SF502/A2

A3 SF502 TYPICAL REINFORCEMENT AT TYPICAL WALL CORNERS & INTERSECTIONS - PLAN VIEW
NO SCALE

CF-TYP02



A4 SF502 SECTION AT END OF CANTILEVERED BEAM
NO SCALE

2008-079-SF502/C4

NOTE: ALL REINFORCING SHALL BE EPOXY COATED

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REAVELEY
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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

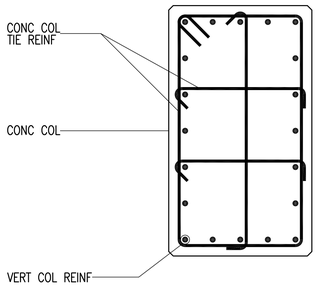
DATE:	June 13, 2008
AGENCY PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	
DRAWN BY:	CEB
CHECKED BY:	MRH
DESIGNED BY:	JB
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

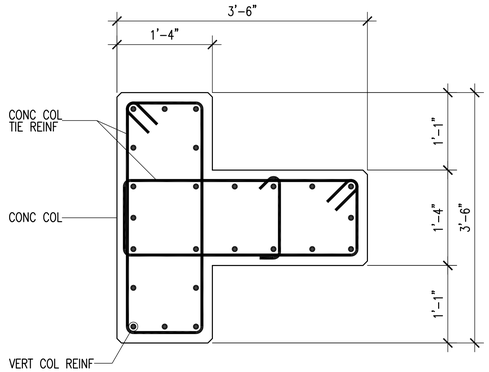
STAIR FRAMING DETAIL SHEET

SF502

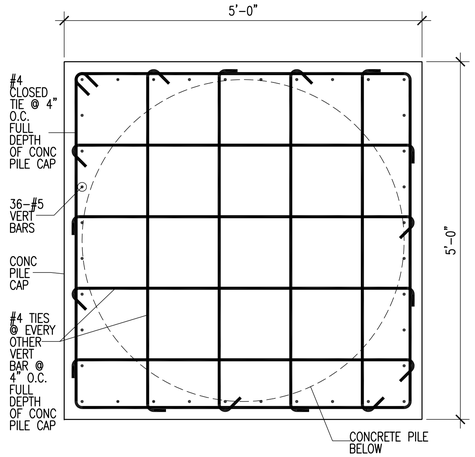
SHEET OF



C1 SF503 CONCRETE COLUMN PLAN
NO SCALE
2008-079-SF503/C1



C2 SF503 CONCRETE COLUMN PLAN
NO SCALE
2008-079-SF503/C2



A4 SF503 CONCRETE PILE CAP (PLAN VIEW)
NO SCALE
2008-079-SF503/C3

CONCRETE COLUMN SCHEDULE

CC-1

MARK	SIZE	REINFORCING		REMARKS
		VERTICAL	TIES	
CC-1	42" x 42"	24-#7	#4 @ 4" O.C.	SEE C2/SF601
CC-2	24" x 42"	20-#7	#4 @ 4" O.C.	SEE C1/SF601

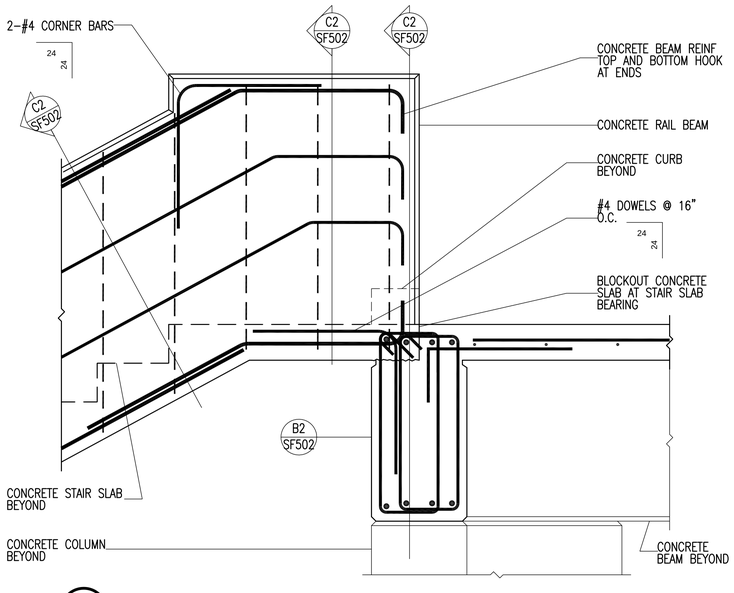
CONCRETE DRILLED PIER SCHEDULE

CDP-1

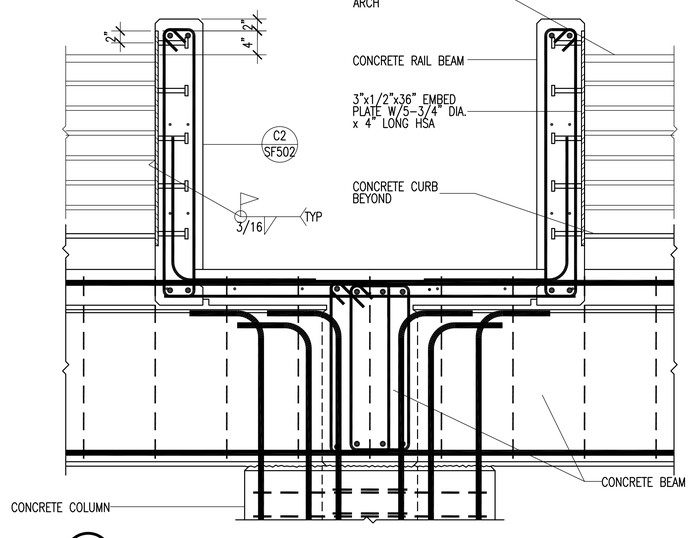
MARK	DIAMETER	REINFORCING		PIER DEPTH (BELOW FINISHED GRADE)
		VERTICAL	TIES	
CDP-1	4'-6"	15-#11	#5 SPIRAL @ 4" PITCH	13'-6"
CDP-2	2'-6"	9-#8	#5 TIES @ 4" O.C.	10'-0"

NOTE:

1. PROVIDE STANDARD HOOKS INTO CONCRETE PIERS PER D1/SF501 & D2/SF501.
2. PROVIDE 3" OF CONCRTE CLEAR COVER TO TIE REINFORCEMENT.
3. PROVIDE SHAFT CASING AT SAND LAYERS AS REQUIRED.

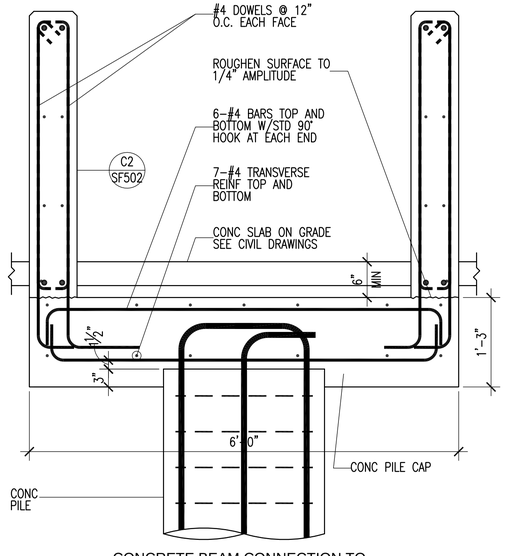


B1 SF503 CONCRETE RAIL BEAM CONNECTION TO UPPER LANDING CONCRETE BEAM
NO SCALE
2008-079-SF503/B1



B3 SF503 TYPICAL PIPE RAIL CONNECTION TO CONCRETE RAIL BEAM
NO SCALE
2008-079-SF503/B3

NOTE: ALL REINFORCING SHALL BE EPOXY COATED



A4 SF503 CONCRETE BEAM CONNECTION TO CONCRETE PILE CAP
NO SCALE
2008-079-SF503/A4

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ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

STAIR DETAILS AND SCHEDULES

SF503

SHEET OF

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

MECHANICAL

- POSITIVE PRESSURE DUCT – RISE
- POSITIVE PRESSURE DUCT – DROP
- NEGATIVE PRESSURE DUCT – RISE
- NEGATIVE PRESSURE DUCT – DROP
- ROUND DUCT – RISE
- ROUND DUCT – DROP
- UNDER FLOOR DUCT
- TURNING VANES
- FRESH AIR LOUVER
- RELIEF AIR OR EXHAUST AIR LOUVER
- 12X12 200 — CEILING SUPPLY DIFFUSER
- 22X22 200 — CEILING RETURN REGISTER
- 12X12 200 — CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
- 24X10 200 — SIDEWALL SUPPLY REGISTER
- 24X10 200 — SIDEWALL EXHAUST OR RETURN REGISTER
- 12X12 200 — CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
- 12X12 200 — CEILING AIR GRILLE WITH FLEXIBLE DUCT

  TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.
- CEILING RETURN AIR GRILE W/ SOUND BOOT
- 3-1" SLOTS @ 48" 400 — LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
- FLEXIBLE DUCT CONNECTION
- FLEXIBLE DUCT
- FAN
- 12/8 FO — FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12/8 — RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- 12ø — ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
- UP — INCLINED RISE
- DN — INCLINED DROP

  WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.
- W R — R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
- 12/12 8/8 — RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
- 12/12 12ø — RECTANGULAR TO ROUND DUCT TRANSFORMATION
- R — BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
- 45° 150 Duct 250 Duct — TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
- 12ø 12/12 — HIGH EFFICIENCY FITTING
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
- FSD — COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
- SD — SMOKE DAMPER W/ ACCESS PANEL
- BDD — BACK DRAFT DAMPER
- ATCD OR — ATC DAMPER
- AD — ACCESS PANEL IN DUCT OR PLENUM
- HEATING OR COOLING COIL IN DUCT
- SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
- 4-WAY BLOW PATTERN
- 3-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 2-WAY BLOW PATTERN
- 1-WAY BLOW PATTERN
- SD — DUCT SMOKE DETECTOR
- UNIT HEATER

PLUMBING

- FLOOR SINK
- FLOOR DRAIN
- FCO / COTG — FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
- ROOF DRAIN
- DOWNSPOUT NOZZLE
- ARROW INDICATES DIRECTION OF FLOW IN PIPE
- CHECK VALVE
- PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
- PRESSURE REDUCING, SELF CONTAINED VALVE
- ATC VALVE – 2 WAY
- ATC VALVE – 3 WAY
- SOLENOID VALVE
- GATE VALVE
- GATE VALVE – NON RISING STEM
- GLOBE VALVE
- TEMPERATURE AND PRESSURE TEST PORT
- PS — PRESSURE SWITCH
- GAS COCK
- 0.0 GPM — CALIBRATED BALANCING VALVE WITH GPM INDICATED
- RPBP — REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
- BRANCH – BOTTOM CONNECTION
- BRANCH – TOP CONNECTION
- BRANCH – SIDE CONNECTION
- RISE OR DROP
- RISER – DOWN (ELBOW)
- RISER – DOWN (ELBOW)
- VTR — VENT THRU ROOF
- WATER HAMMER ARRESTOR
- INLINE PUMP
- INLINE PUMP
- CLEAN-OUT
- RELIEF VALVE
- ANGLE VALVE
- FLOW METER
- UNION
- BALANCING COCK
- SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
- FLEXIBLE EXPANSION JOINT
- THERMOMETER – TEMP RANGE AS INDICATED
- PRESSURE GAUGE WITH SHUT-OFF COCK
- PRESSURE GAUGE WITH PIGTAIL
- LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
- BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
- MOTOR OPERATED BUTTERFLY VALVE
- VALVE IN RISE
- AIR VENT–MANUAL
- AIR VENT–AUTO
- FLOW SWITCH
- REDUCER
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER

PLUMBING CONT.

- THERMOSTATIC MIXING VALVE
- HOSE BIBB
- PIPE CAP
- SWITCH
- SENSOR
- THERMOSTAT
- N — NIGHT THERMOSTAT
- FILL PORT
- DRAIN PAN AND P-TRAP
- (NAME) — FIXTURE FROM LEVEL ABOVE
- GPM FT LB/HR — FLOW METER ORIFICE
- FLANGE
- 90° ELBOW
- STEAM TRAP, F&T=FLOAT & THERMOSTATIC 45° ELBOW
- F&T — B=BUCKET, T=THERMOSTATIC
- DN — LEADER INDICATES DOWNWARD SLOPE
- DEMOLITION
- ALIGNMENT GUIDE
- ANCHOR
- LUBRICATED PLUG COCK

SYMBOLS

- P-1 — PLUMBING FIXTURES
- POINT OF CONNECTION
- A / M-101 — SECTION TAG – TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
- A / M101 — DETAIL TAG – TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
- EF / 1 — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE IDENTIFICATION

FIRE

- HOSE VALVE
- NRS GATE VALVE WITH SUPERVISION
- FLOW SWITCH
- FIRE RISER
- SPRINKLER HEAD
- F — FIRE SPRINKLER WATER

LINETYPES

- AV — ACID VENT
- AW — ACID WASTE
- BBD — BOILER BLOW DOWN
- BF — BOILER FEED WATER
- B — BRINE
- CO2 — CARBON DIOXIDE
- CA — COMPRESSED AIR
- CF — CHEMICAL FEED
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CS — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- DOMESTIC COLD WATER (DCW)
- DOMESTIC HOT WATER (DHW)
- DOMESTIC HOT WATER RETURN (DHWR)
- DI — DEIONIZED WATER SUPPLY
- DIR — DEIONIZED WATER RETURN
- E(NAME) — EXISTING PIPING
- E(NAME) — EXISTING PIPING TO BE REMOVED
- GHR — GLYCOL HEAT RECOVERY PIPING
- G(NAME) — GLYCOL PIPING SOLUTION
- FOR — FUEL OIL RETURN
- FOS — FUEL OIL SUPPLY
- FOV — FUEL OIL VENT
- G — NATURAL GAS
- HG — HOT GAS
- HFR — HELICOPTER FUEL RETURN
- HFS — HELICOPTER FUEL SUPPLY
- HP(NAME) — HIGH PRESSURE DOMESTIC WATER
- HPC — HIGH PRESSURE CONDENSATE
- HPS — HIGH PRESSURE STEAM
- HWR — HEATING HOT WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- IA — INSTRUMENT AIR
- IA 120 — INSTRUMENT AIR AT PRESSURE INDICATED
- LA — LAB AIR
- LV — LAB VACUUM
- LPC — LOW PRESSURE CONDENSATE
- LPG — LIQUIFIED PETROLEUM GAS
- LPS — LOW PRESSURE STEAM
- MA — MEDICAL AIR
- MA 120 — MEDICAL AIR AT PRESSURE INDICATED
- MPC — MEDIUM PRESSURE CONDENSATE
- MPS — MEDIUM PRESSURE STEAM
- MUW — MAKE UP WATER
- MV — MEDICAL VACUUM
- N — NITROGEN
- N2O — NITROUS OXIDE
- OX — MEDICAL OXYGEN
- OX 120 — MEDICAL OXYGEN AT PRESSURE INDICATED
- PUMPED CONDENSATE

LINETYPES CONT.

- RO — REVERSE OSMOSIS WATER SUPPLY
- ROR — REVERSE OSMOSIS WATER RETURN
- RD — ROOF DRAIN
- RDO — ROOF DRAIN OVERFLOW
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- SEWER (BELOW GRADE)
- SEWER (ABOVE GRADE)
- SW — SOFT DOMESTIC WATER (SW)
- V — VACUUM
- VENT (SEWER)

MECH. GENERAL NOTES

1. ALL CEILING DIFFUSERS SHOWN AS SUCH ARE CD-1, CFM AS NOTED, UNLESS OTHERWISE NOTED. REFER TO DETAIL D1/MH120. CFM
2. ALL CEILING RETURN GRILLES SHOWN AS SUCH ARE RG-1 UNLESS OTHERWISE NOTED. PROVIDE SOUND BOOT PER DETAIL D3/MH120.
3. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
4. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
5. REFER TO REHEAT BOX DETAIL D4/MH120.
6. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.
7. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
8. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
9. STEEL ROOF DECK SHALL NOT BE USED TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT, UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED; THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACCROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.

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NEIL H. SPENCER
STATE OF UTAH

STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	July 10, 2008
AGENCY PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	08094_mh110.dwg
DRAWN BY:	Ejuarez
CHECKED BY:	Nspencer
DESIGNED BY:	Kekenstam
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

MECHANICAL SYMBOLS AND ABBREVIATIONS

M-001

SHEET OF

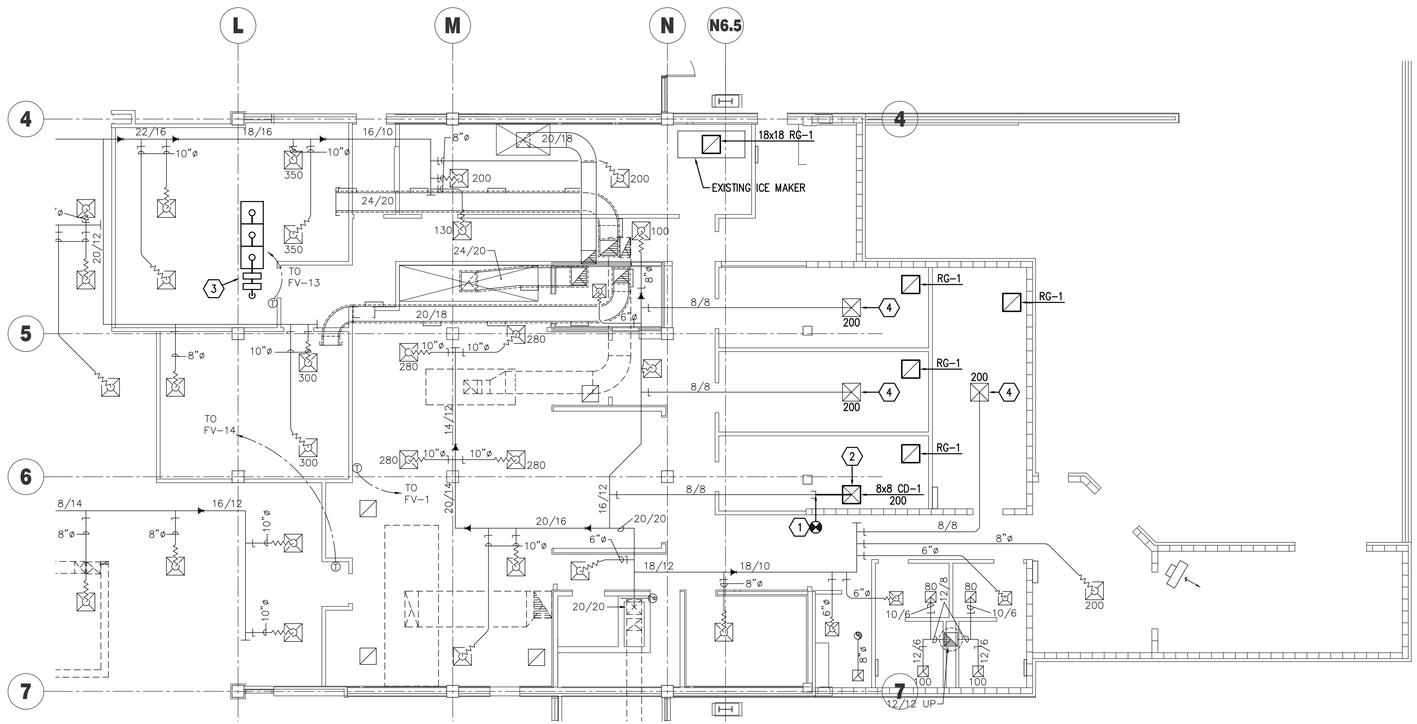
VAV BOX SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	AIR: COOLING MAXIMUM AIR (5) (CFM)	AIR: HEATING MAXIMUM AIR (CFM)	AIR: MINIMUM AIR (3) (CFM)	AIR: ENTERING AIR TEMP. DB (DEG. F)	AIR: LEAVING AIR TEMP. DB (DEG. F)	AIR: S.P. LOSS AT MAX CFM (4) (IN H20)	AIR: NC AT 1" H2O (1) S.P.	FLUID (2): HEAT LOAD (MB)	FLUID (2): TOTAL FLUID FLOW (GPM)	FLUID (2): ENT. FLUID TEMP (DEG. F)	FLUID (2): WORKING FLUID	FLUID (2): MAX. FLUID PRESSURE DROP (FT)	COIL: MIN. COIL ROWS	COIL: PIPE SIZE (IN)	COIL: BALANCING VALVE SIZE (IN)	REMARKS
V-6	TITUS-ESV-3	6	400	240	80	52	100	0.5	28	9.9	1	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
V-8	TITUS-ESV-3	8	700	420	145	52	100	0.65	28	17.4	1.5	180	H. WATER	1	2	3/4	1/2	1,2,3,4,5,6
V-10	TITUS-ESV-3	10	1100	660	230	52	100	0.65	26	27..3	2	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-12	TITUS-ESV-3	12	1600	960	325	52	100	0.65	26	39.7	2.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-14	TITUS-ESV-3	14	2200	1320	450	52	100	0.65	26	54.6	3	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-16	TITUS-ESV-3	16	2800	1680	580	52	100	0.7	26	69.6	3.5	180	H. WATER	1	2	3/4	3/4	1,2,3,4,5,6
V-20	TITUS-ESV-3	24X16 FO	4200	2520	1260	52	100	0.7	29	104.3	5	180	H. WATER	1.5	2	1	3/4	1,2,3,4,5,6

1. MAXIMUM DISCHARGE NC AT BOX DIFFENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAIXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM).
3. MINIMUM CFM IS LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY).
4. MAXIMUM STATIC PRSSURE DROP PERMISSABLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS. BOX MINIMUM CFM TO BE SET AT 30% OF THIS MAXIMUM. BOX HEATING CFM TO BE SET AT 60% OF THIS SAME MAXIMUM. TYPICAL UNLESS OTHERWISE NOTED.
6. PRESSURE INDEPENDENT TYPE BOX.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	EH PRICE	PDC	20	PERFORATED FACE CEILING DIFFUSERS. REMOVABLE FACE & CORE INDIVIDUALLY ADJUSTABLE CURVED BLADES, WITH OBD. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER.
RG-1	EH PRICE	PDDR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.



A2 FIRST FLOOR MECHANICAL PLAN
SCALE: 1/8"=1'-0"

KEYED NOTES

1. CONNECT TO EXISTING 8/8 DUCT ABOVE CONCRETE CEILING.
2. SAW CUT EXISTING CONCRETE CEILING TO INSTALL NEW DUCTWORK EXTEND DUCT TO EXISTING FINISHED CEILING AND INSTALL DIFFUSER OR GRILLE.
3. INSTALL (2) 2" INLINE DRAIN FILTERS WITH PVC HOUSING AND SS SCREENS IN EXISTING INDIRECT WASTE LINE AS PROVIDED BY GREASE REMOVAL SYSTEMS INC.
4. EXISTING DIFFUSER. BALANCE TO CFM NOTED.

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VBFA Project Number: 08094

LICENSED PROFESSIONAL ENGINEER
No. 5484
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STATE OF UTAH

STUDENT CENTER IMPROVEMENTS
SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

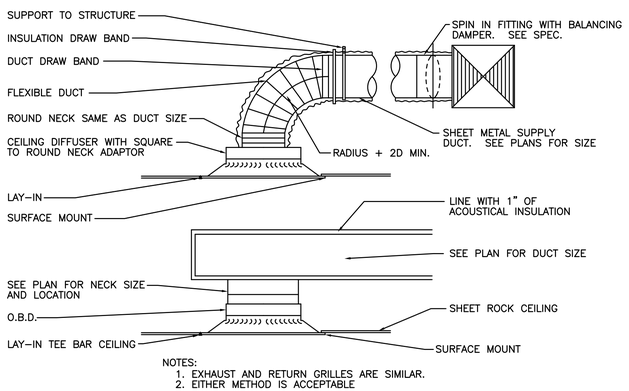
MARK	DATE	DESCRIPTION

DATE:	July 10, 2008
AGENCY PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	08094_mh110.dwg
DRAWN BY:	Ejuarez
CHECKED BY:	Nspencer
DESIGNED BY:	Kekenstam
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE
FIRST FLOOR MECHANICAL PLAN

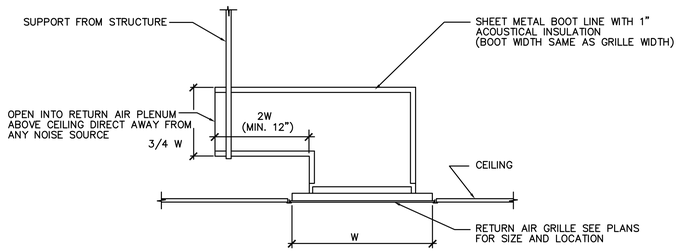
MH110

SHEET OF



D1 MH120 **CEILING DIFFUSER DETAIL**

NO SCALE



D3 MH120 **RETURN AIR SOUND BOOT DETAIL**

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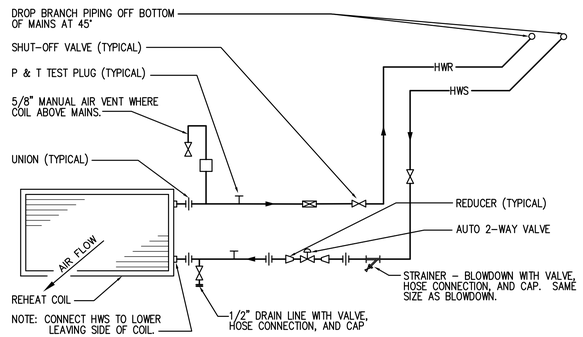
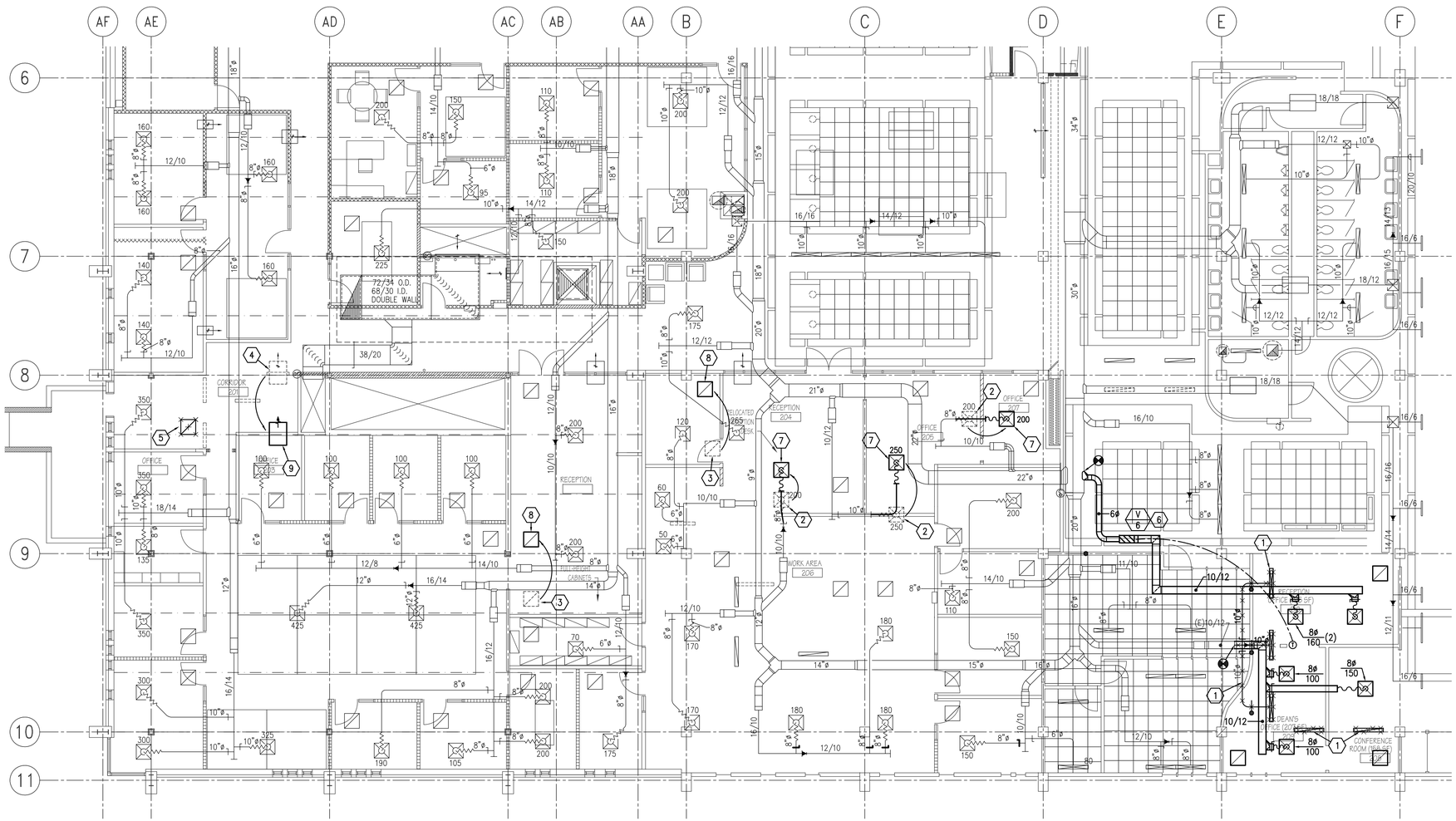


D4 MH120 **REHEAT COIL PIPING DETAIL**

NO SCALE



A1 SECOND FLOOR MECHANICAL PLAN

SCALE: 1/8"=1'-0"

KEYED NOTES

1. REMOVE EXISTING DUCTWORK, DIFFUSERS AND RETURN AIR GRILLES.
2. RELOCATE EXISTING DIFFUSER. SEE SHEET MH120.
3. RELOCATE EXISTING RETURN AIR GRILLE. SEE SHEET MH120.
4. RELOCATE EXISTING TRANSFER AIR SOUND BOOT. SEE SHEET MH120.
5. REMOVE EXISTING RETURN AIR GRILLE.
6. EXTEND 3/4" HWS AND HWR LINES AND CONNECT TO EXISTING MAINS. FIELD DETERMINE LOCATION AND SIZE OF EXISTING PIPING. SEE DETAIL D4/MH120.
7. REINSTALL EXISTING CEILING DIFFUSER.
8. REINSTALL EXISTING RETURN AIR GRILLE.
9. REINSTALL EXISTING RETURN AIR SOUND BOOT.

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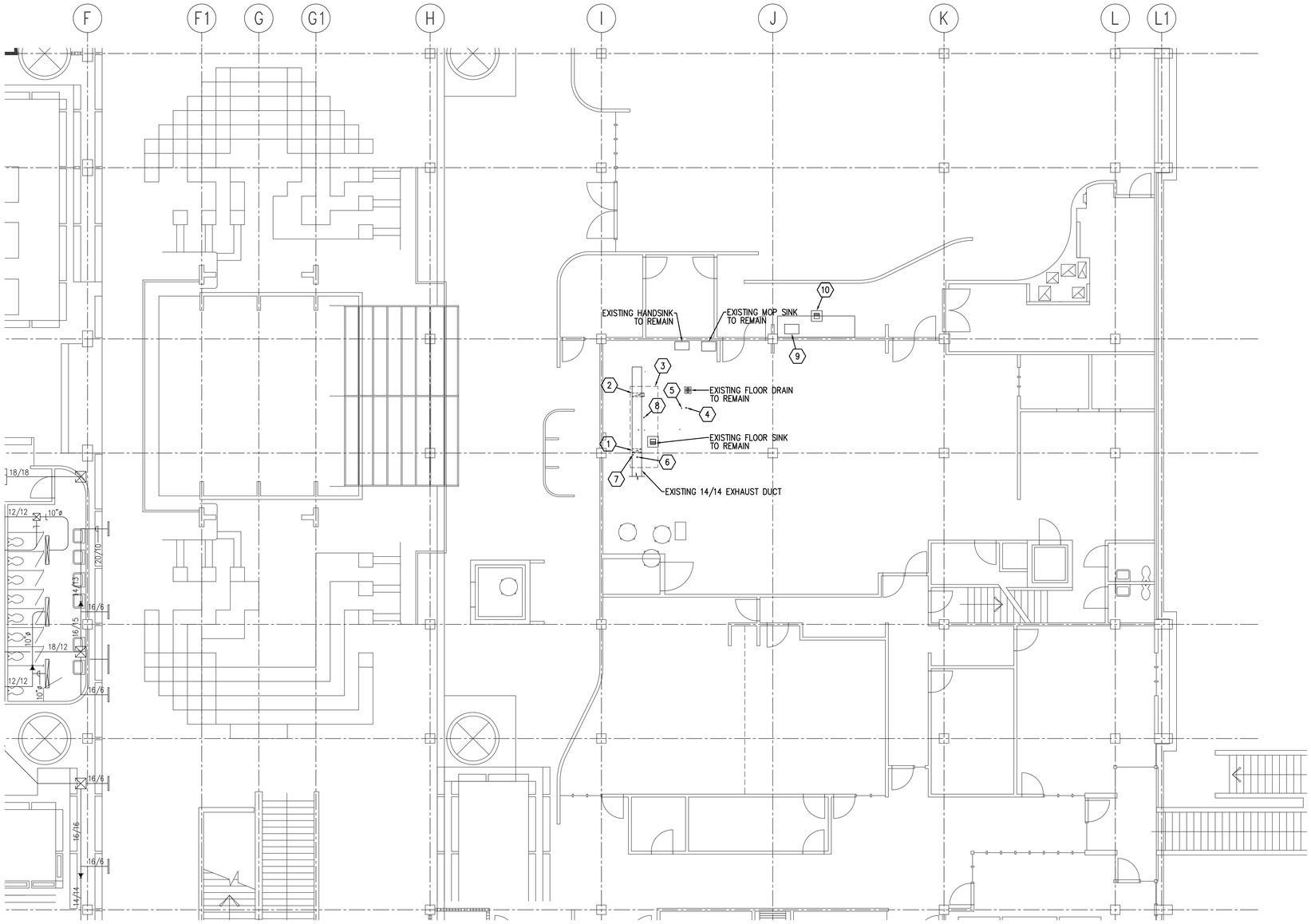
DESIGNED BY:	Kekenstam
DWG TYPE:	
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR MECHANICAL PLAN

MH120

SHEET OF



A1 SECOND FLOOR MECHANICAL PLAN

SCALE: 1/8"=1'-0"

N

KEYED NOTES

1. CONNECT TO EXISTING 14/4 STEEL EXHAUST DUCT. EXTEND AND CONNECT TO DISHWASHER EXHAUST DROP AND CONNECTION TO DISHWASHER.
2. CONNECT TO EXISTING 16/4 BLACK STEEL EXHAUST DUCT. EXTEND AND CONNECT TO DISHWASHER. FIELD VERIFY SIZE OF EXISTING DROP AND CONNECTION TO DISHWASHER.
3. NEW DISHWASHER. ROUGH-IN AND CONNECT DUCTWORK, WATER AND WASTE PIPING. PER MANUFACTURER'S REQUIREMENTS.
4. REMOVE EXISTING 3" WASTE LINE BACK TO MAIN AND CAP.
5. REMOVE EXISTING (2) 1" WATER LINES BACK TO MAINS AND CAP.
6. CONNECT TO EXISTING 2" STEAM LINE. EXTEND AND CONNECT TO DISHWASHER. PROVIDE SHUT OFF VALVE. FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING LINE AND CONNECTION SIZE OF DISHWASHER PROVIDE SCH 40 BLACK STEEL PIPE WITH FIBERGLASS INSUL.
7. CONNECT TO EXISTING 1 1/2" CONDENSATE LINE. EXTEND AND CONNECT TO DISHWASHER. PROVIDE SHUT OFF VALVE. FIELD VERIFY SIZE AND LOCATION OF EXISTING LINE AND SIZE OF CONNECTION AT DISHWASHER PROVIDE SCH 80 BLACK STEEL PIPE WITH FIBER GLASS INSUL.
8. CONNECT TO EXISTING 1 1/2" HW LINE EXTEND AND CONNECT TO DISHWASHER. FIELD VERIFY SIZE AND LOCATION OF EXISTING LINE AND CONNECTION SIZE OF DISHWASHER PROVIDE TYPE L COPPER PIPE WITH FIBERGLASS INSUL.
9. EXISTING HAND WASHING SINK. RE-PIPE 1 1/2" COPPER INDIRECT DRAIN TO FLOOR. CENTER DRAIN IN FLOOR SINK.
10. EXISTING FLOOR SINK CENTER (2) EXISTING INDIRECT DRAIN LINES IN SINK TO ELIMINATE SPLASHING OUT OF FLOOR SINK.

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DRAWN BY:	Ejuarez
CHECKED BY:	Nspencer
DESIGNED BY:	Kekenstam
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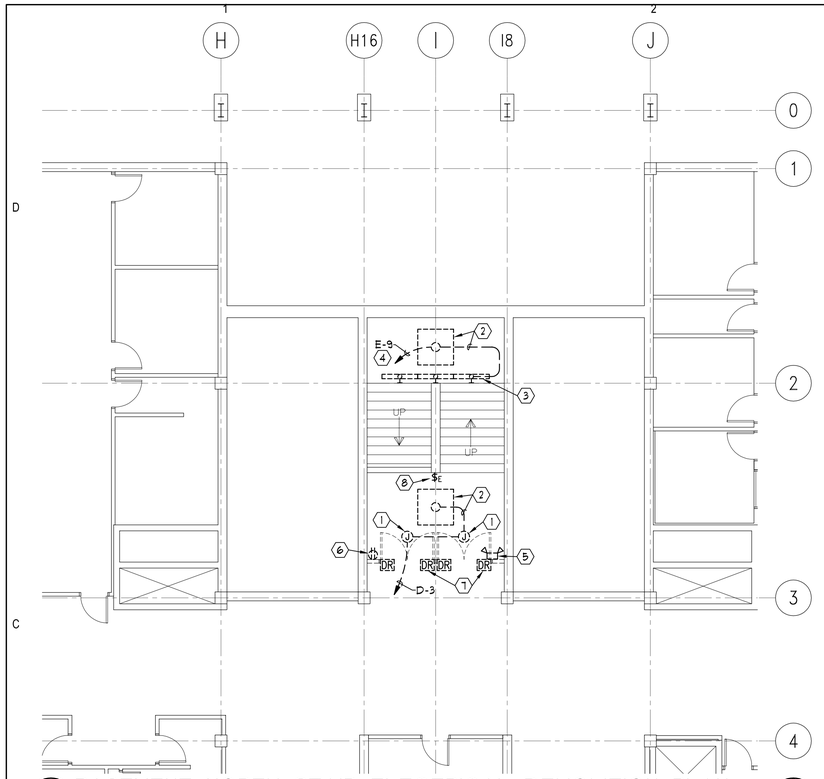
SHEET TITLE

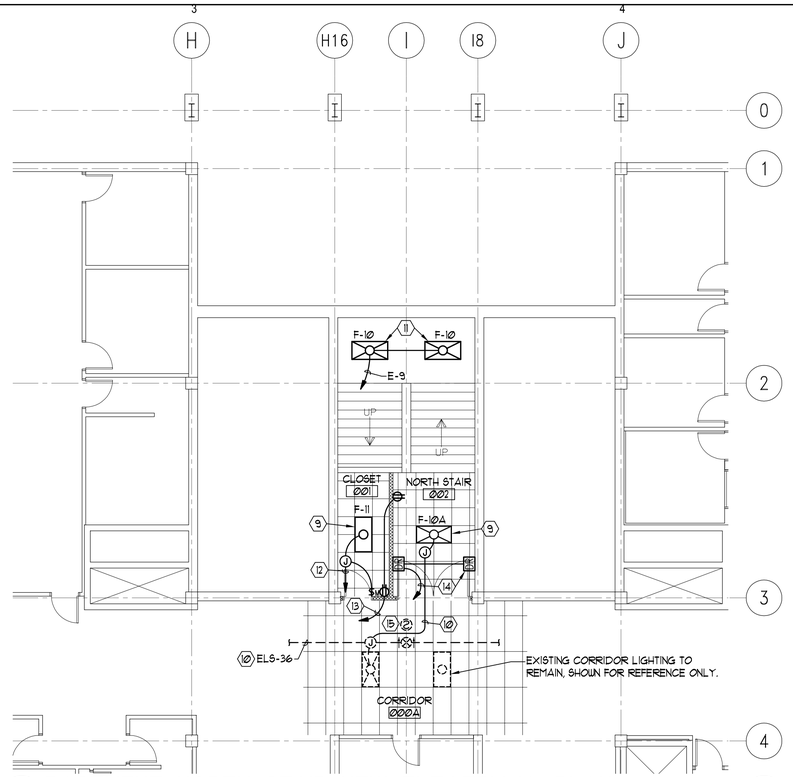
SECOND FLOOR MECHANICAL PLAN

MH121

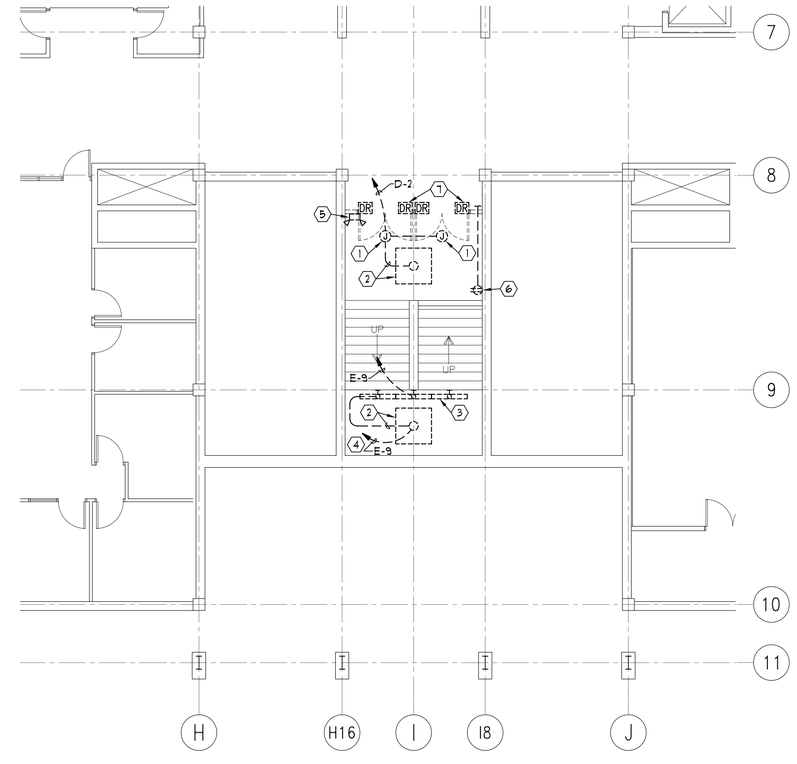
SHEET OF



C1 BASEMENT NORTH STAIR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



C3 BASEMENT NORTH STAIR NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



A1 BASEMENT SOUTH STAIR ELECTRICAL DEMOLITION PLAN
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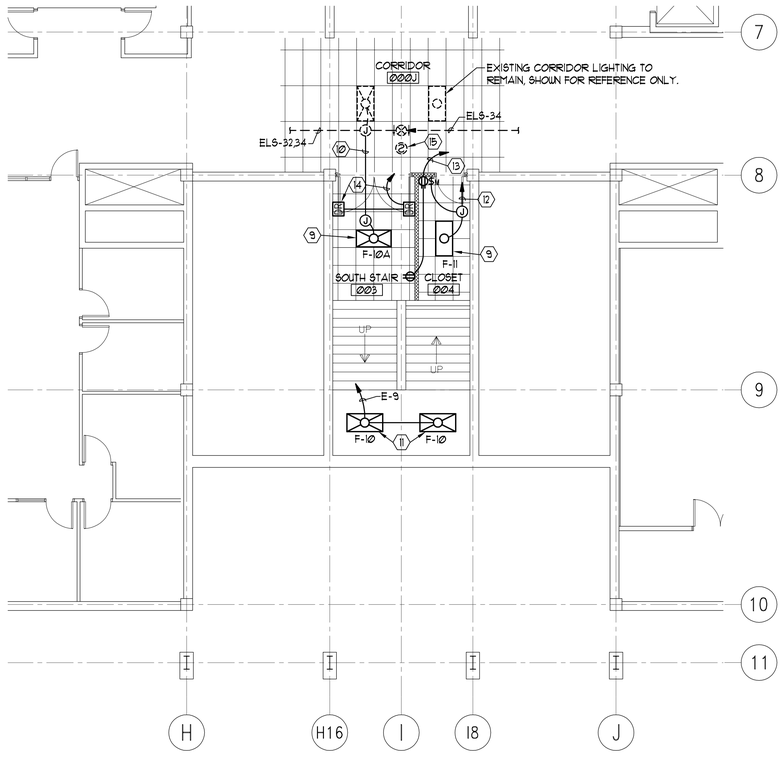

A3 BASEMENT SOUTH STAIR NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLANS ARE SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
4. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
5. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
6. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

KEYED NOTES:

1. REMOVE EXISTING FLUSH CEILING OUTLET BOX AND ABANDONED WIRING, CONDUIT, BOXES, ETC. EXISTING PANEL 'D' IS LOCATED IN ROOM Ø58 ON FIRST FLOOR ABOVE, NEAR GRIDS 'G' & '4'.
2. REMOVE EXISTING 4'x4', 8 LAMP SURFACE MOUNTED FLUORESCENT FIXTURE INCLUDING EXPOSED CONDUIT.
3. REMOVE EXISTING 4 FT, 1 LAMP WALL MOUNTED FLUORESCENT FIXTURE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.
4. RETAIN EXISTING EMERGENCY CIRCUIT TO PANEL 'E' FOR CONNECTION TO NEW FIXTURES AS INDICATED ON NEW LIGHTING PLAN. EXISTING EMERGENCY PANEL 'E' IS LOCATED IN ROOM Ø51 AT WEST END OF CORRIDOR ØØØA.
5. REMOVE EXISTING BATTERY BACK-UP EMERGENCY LIGHTING FIXTURE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. FIELD VERIFY EXISTING CIRCUITING.
6. REMOVE EXISTING RECEPTACLE INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. RETAIN EXISTING CIRCUIT FOR CONNECTION TO NEW RECEPTACLES INDICATED ON NEW ELECTRICAL PLAN.
7. DISCONNECT EXISTING FIRE ALARM SYSTEM DOOR HOLDER CIRCUIT FROM EXISTING DOOR CLOSERS HARDWARE. RETAIN EXISTING DOOR HOLDER CIRCUIT FOR CONNECTION TO NEW DOOR HOLDERS INDICATED ON NEW ELECTRICAL PLAN.
8. REMOVE EXISTING SURFACE MOUNTED SWITCH INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC. FIELD VERIFY SWITCH FUNCTION AND RELOCATE TO NEW WALL IF REQUIRED.
9. PROVIDE NEW FIXTURE IN NEW CEILING.
10. CONNECT NEW FIXTURE TO EXISTING EMERGENCY LIGHTING CIRCUIT IN MAIN CORRIDOR AS INDICATED. EXISTING EMERGENCY PANEL 'EL8' IS LOCATED IN ELECTRICAL ROOM Ø45 LOCATED NEAR GRIDS 'B' & '1'.
11. INSTALL NEW FIXTURE ON EXISTING CONCRETE CEILING AND CONNECT TO EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT. WIREMOLD 700 SERIES, OR EQUAL SURFACE METAL RACEWAY MAY BE USED TO RECONNECT EXISTING CIRCUIT.
12. CONNECT NEW CLOSET LIGHT TO EXISTING MAIN CORRIDOR NORMAL LIGHTING CIRCUIT, AHEAD OF CORRIDOR SWITCHES.
13. CONNECT NEW RECEPTACLES TO EXISTING BRANCH CIRCUIT ABANDONED BY REMOVAL OF EXISTING RECEPTACLES.
14. CONNECT NEW FIRE ALARM SYSTEM DOOR HOLDERS TO EXISTING DOOR HOLDER CIRCUIT ABANDONED BY REMOVAL OF EXISTING DOORS.
15. EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR TO REMAIN. SHOWN FOR REFERENCE ONLY. SEE GENERAL FIRE ALARM SYSTEM NOTES, SHEET FA10.

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MARK	DATE	DESCRIPTION

DATE:	July 9, 2008
AGENCY PROJECT NO:	07353660
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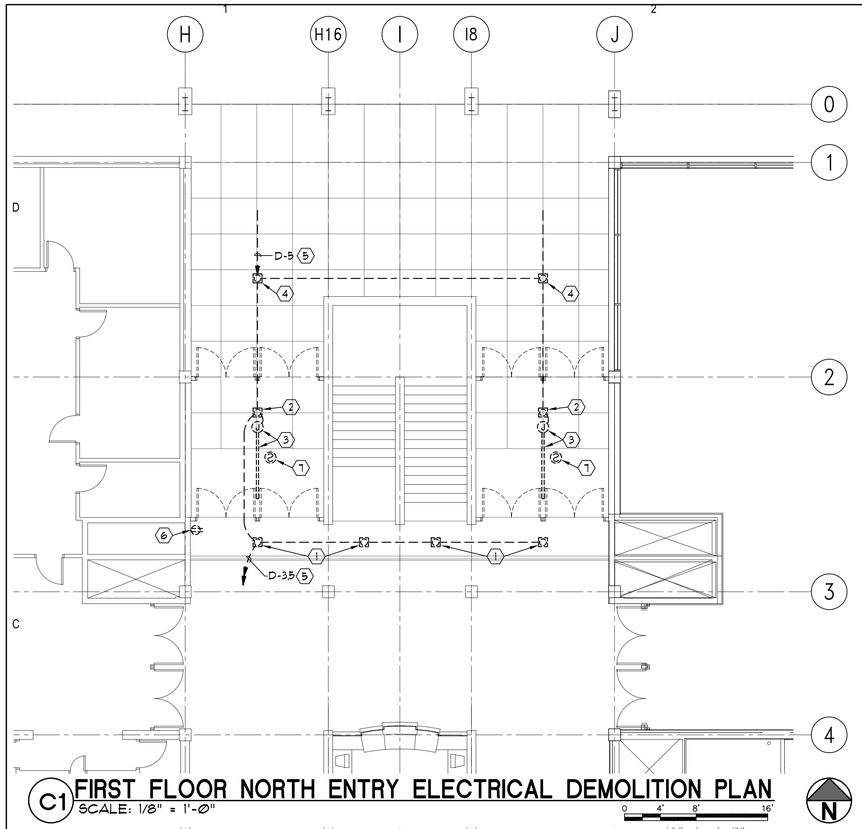
CAD DWG FILE NO:	0762 E-101.dwg
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

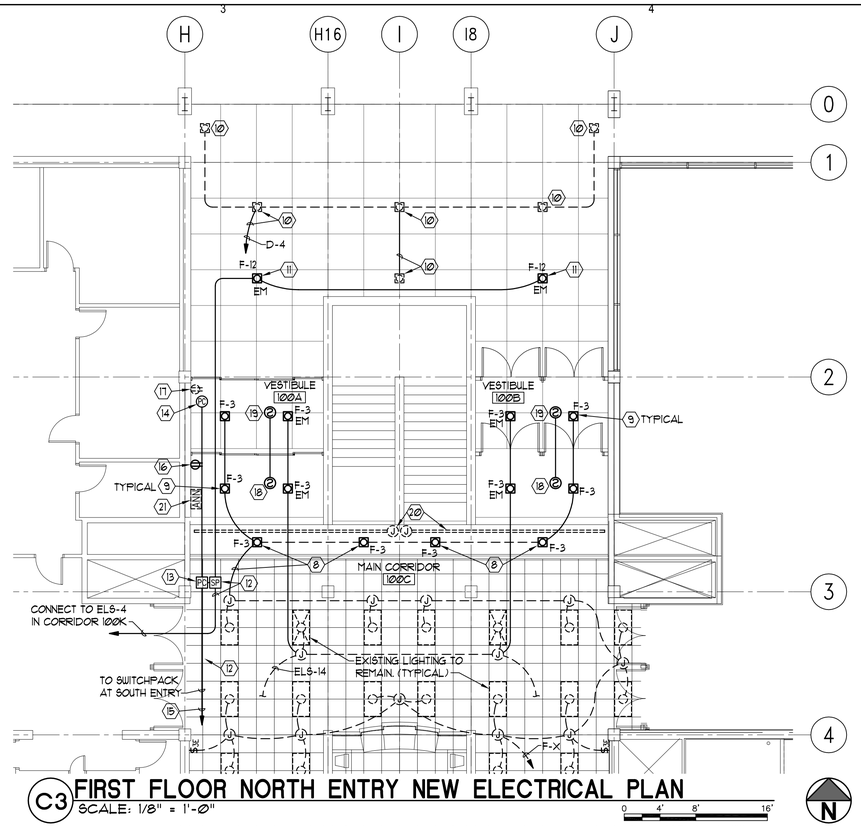
BASEMENT ELECTRICAL PLANS

E-101

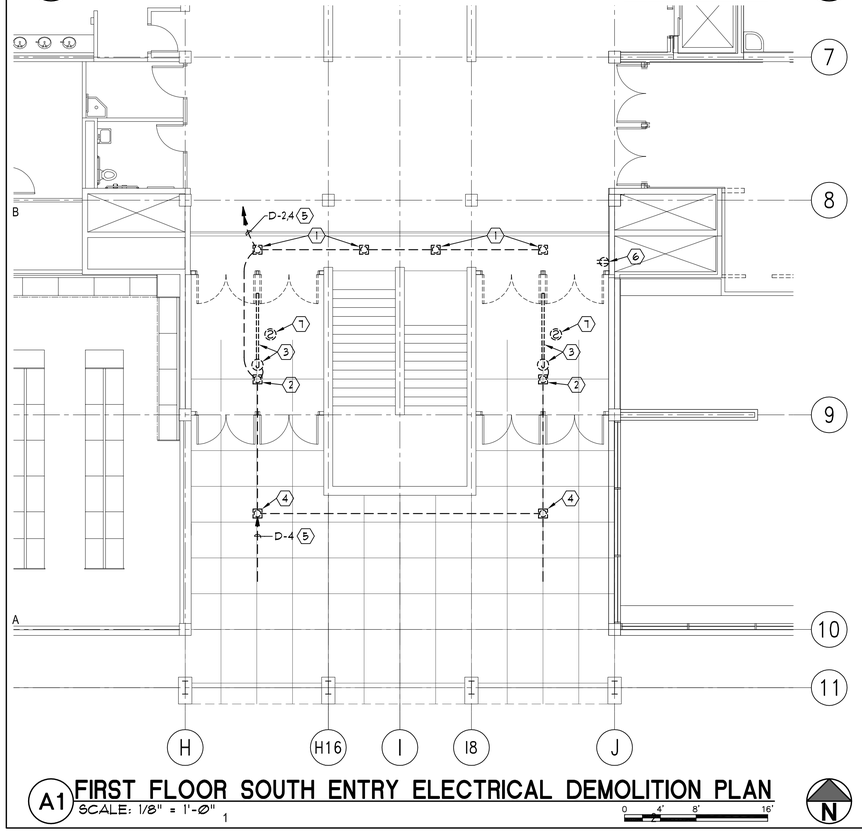
SHEET 1 OF 10 (ELECT)



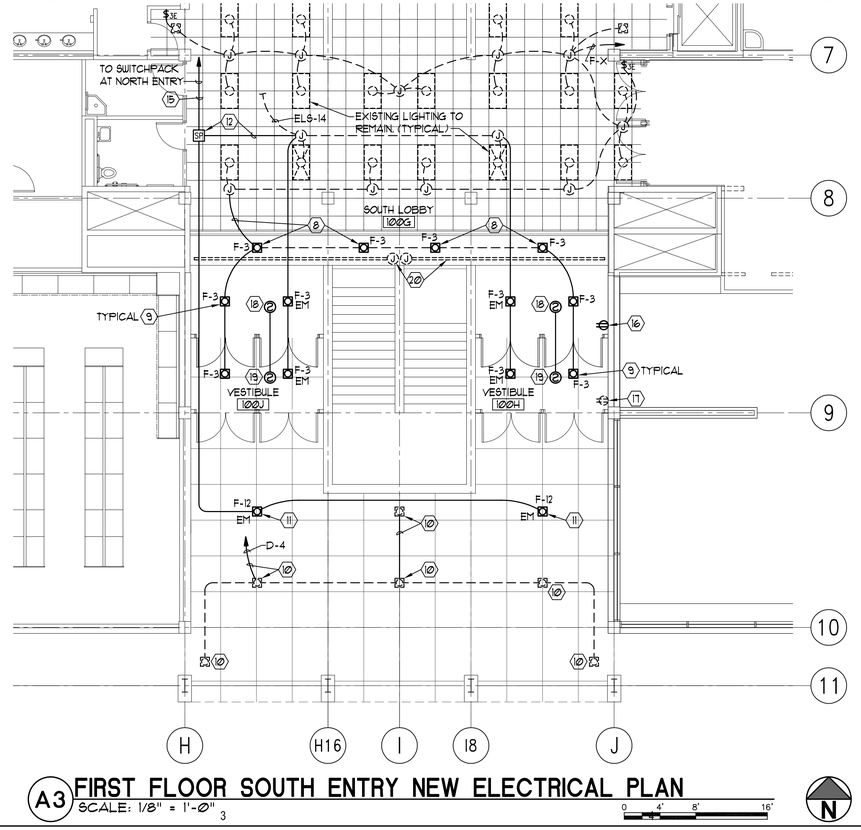
C1 FIRST FLOOR NORTH ENTRY ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



C3 FIRST FLOOR NORTH ENTRY NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



A1 FIRST FLOOR SOUTH ENTRY ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



A3 FIRST FLOOR SOUTH ENTRY NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. REMOVE ALL EXISTING FIXTURES, OUTLETS, SWITCHES, ETC., SHOWN, EXCEPT WHERE SPECIFICALLY NOTED TO REMAIN OR BE RELOCATED.
4. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
6. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

KEYED NOTES:

1. REMOVE EXISTING RECESSED INCANDESCENT FIXTURES FROM EXISTING CEILING TO REMAIN. REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT AS REQUIRED TO ALLOW CONNECTION TO NEW RECESSED FLUORESCENT FIXTURES AS INDICATED ON NEW ELECTRICAL PLAN.
2. REMOVE EXISTING RECESSED INCANDESCENT FIXTURE INCLUDING ALL ABANDONED WIRING, CONDUIT BOXES, ETC.. REPAIR EXISTING CEILING AS REQUIRED TO MATCH SURROUNDING SURFACES.
3. REMOVE EXISTING SURFACE MOUNTED LINE VOLTAGE LIGHT TRACK INCLUDING ALL ABANDONED WIRING, CONDUIT BOXES, ETC.. REPAIR EXISTING CEILING AS REQUIRED TO MATCH SURROUNDING SURFACES.
4. REMOVE EXISTING RECESSED I00 WATT METAL HALIDE FIXTURE INCLUDING BRANCH CIRCUIT CONNECTIONS TO ADJACENT FIXTURES. MODIFY EXISTING CEILING AS REQUIRED TO ALLOW INSTALLATION OF NEW F-12 FIXTURE AS INDICATED ON NEW ELECTRICAL PLAN.
5. REMOVE EXISTING CIRCUITS 'D-2' & 'D-3' COMPLETE TO POINT OF ORIGINATION. RECONNECT EXISTING CIRCUITS 'D-4' & 'D-5' TO CONTROL EXISTING EXTERIOR LIGHTING EXCEPT FOR NEW EMERGENCY FIXTURES F-12 AS INDICATED ON NEW ELECTRICAL PLAN.
6. REMOVE EXISTING RECEPTACLE FOR EXISTING MOTORIZED ADA ACCESS DOORS. RETAIN EXISTING CIRCUIT FOR CONNECTION TO DOORS AT NEW LOCATION AS INDICATED ON NEW ELECTRICAL PLAN.
7. RELOCATE EXISTING FIRE ALARM SYSTEM SMOKE DETECTOR TO ALLOW INSTALLATION OF DOORS AT NEW LOCATION AS INDICATED ON NEW ELECTRICAL PLAN. SEE GENERAL FIRE ALARM NOTES, SHEET FA!0!.
8. INSTALL NEW RECESSED COMPACT FLUORESCENT FIXTURE TO REPLACE EXISTING RECESSED INCANDESCENT FIXTURE IN EXISTING CEILING. PROVIDE NEW BRANCH CIRCUIT WIRING AS REQUIRED TO CIRCUIT AND SWITCH WITH EXISTING LIGHTING IN MAIN CORRIDOR AS SHOWN. FIELD VERIFY EXISTING CIRCUIT CAPACITY PRIOR TO BEGINNING WORK.
9. PROVIDE NEW RECESSED COMPACT FLUORESCENT FIXTURE IN EXISTING CEILING AND CONNECT TO NEW CIRCUIT AS INDICATED.
10. EXISTING RECESSED I00 WATT METAL HALIDE FIXTURES TO REMAIN. PROVIDE NEW BRANCH CIRCUIT AS REQUIRED TO RECONNECT EXISTING CIRCUITS INTERRUPTED BY DEMOLITION. RECONNECT EXISTING CIRCUITS 'D-4' AND 'D-5' THROUGH EXISTING EXTERIOR LIGHT CONTROL.
11. INSTALL NEW F-12 FIXTURE TO REPLACE EXISTING RECESSED METAL HALIDE FIXTURE IN EXISTING CEILING. PROVIDE NEW EMERGENCY BRANCH CIRCUIT AS INDICATED.
12. CONNECT NEW F-12 FIXTURES TO EXISTING EMERGENCY LIGHTING CIRCUIT THROUGH NEW SWITCHPACK CONTROLLED BY PHOTODIODE SENSOR. INSTALL SWITCH PACK IN ACCESSIBLE CEILING SPACE. FIELD VERIFY EXISTING CIRCUIT CAPACITY PRIOR TO BEGINNING WORK.
13. NEW PHOTODIODE SENSOR CONTROLLER, INSTALL IN ACCESSIBLE CEILING SPACE. ADJUST CONTROLLER TO TURN LIGHTING ON BELOW 40 FOOTCANDLES.
14. NEW PHOTODIODE SENSOR, INSTALL IN EXISTING CEILING.
15. INSTALL NEW CLASS 2 CONTROL WIRING BETWEEN PHOTODIODE SENSOR, CONTROLLER, AND SWITCHPACKS IN MINIMUM 1/2" CONDUIT. CONNECT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
16. PROVIDE NEW RECEPTACLE FOR POWER TO MOTORIZED ADA ACCESS DOORS. RECONNECT TO EXISTING BRANCH CIRCUIT.
17. EXISTING RECEPTACLE AND CIRCUIT FOR EXTERIOR MOTORIZED ADA ACCESS DOORS TO REMAIN.
18. RELOCATED FIRE ALARM SYSTEM SMOKE DETECTOR. RECONNECT EXISTING FIRE ALARM SYSTEM SIGNALING LINE CIRCUIT.
19. PROVIDE NEW SMOKE DETECTOR IN EXISTING CEILING AND CONNECT TO EXISTING FIRE ALARM SYSTEM SIGNALING LINE CIRCUIT.
20. EXISTING LOW VOLTAGE LIGHT TRACK TO REMAIN. SHOWN FOR REFERENCE ONLY.
21. EXISTING FIRE ALARM SYSTEM REMOTE ANNUNCIATOR/CONTROL PANEL TO REMAIN.

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CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
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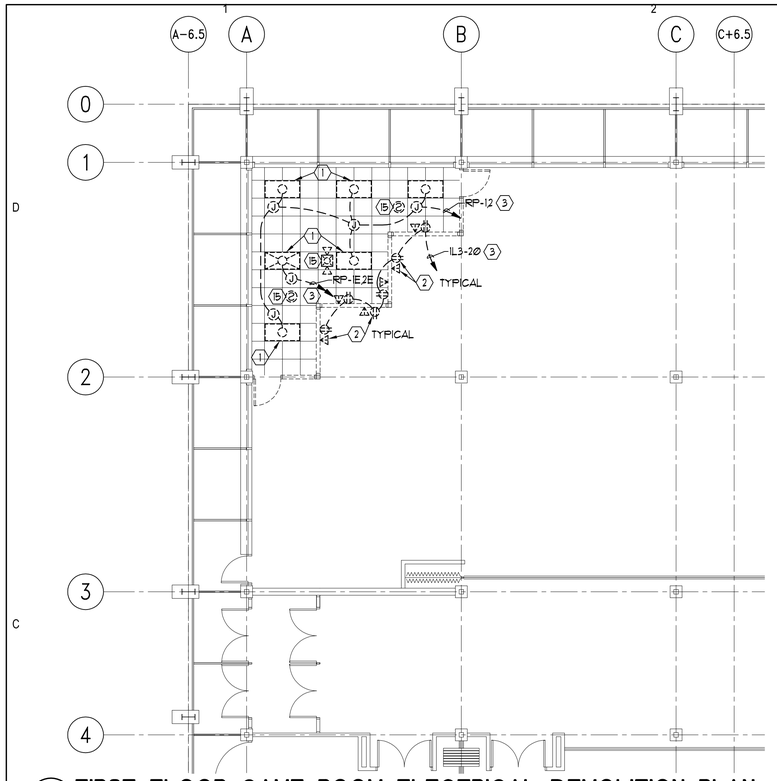
SHEET TITLE

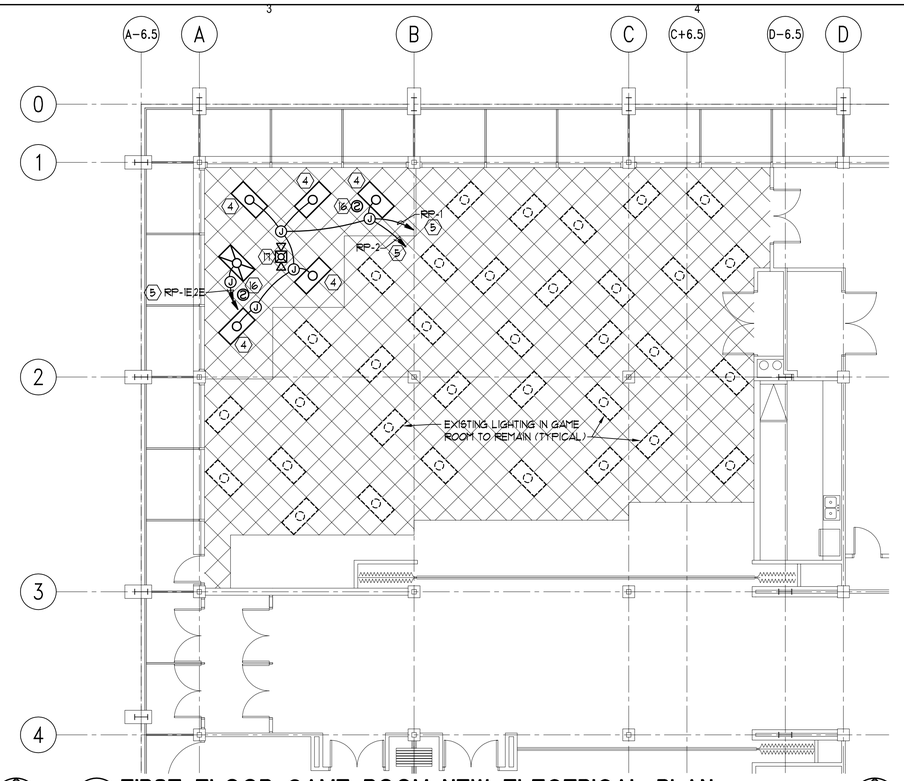
FIRST FLOOR ENTRIES ELECTRICAL PLANS

E-102

SHEET 2 OF 10 (ELECT)



C1 FIRST FLOOR GAME ROOM ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



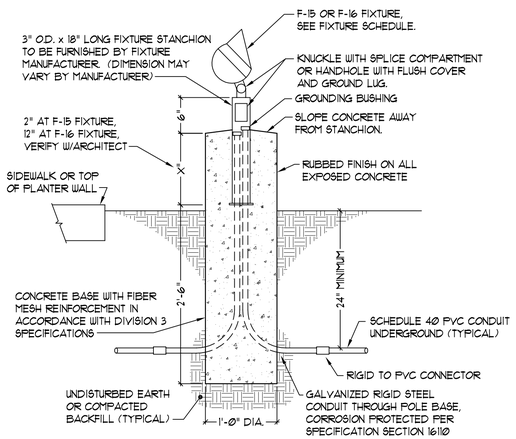
C3 FIRST FLOOR GAME ROOM NEW ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

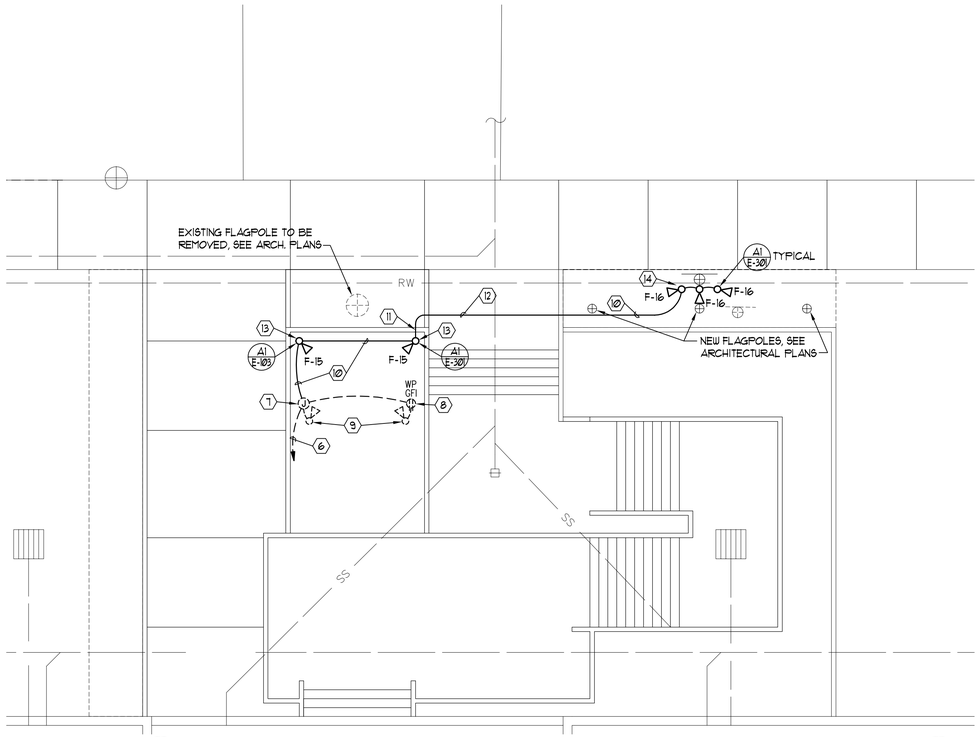
1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. REMOVE ALL EXISTING FIXTURES, OUTLETS, SWITCHES, ETC., SHOWN, EXCEPT WHERE SPECIFICALLY NOTED TO REMAIN OR BE RELOCATED.
4. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
6. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

KEYED NOTES:

1. REMOVE EXISTING 2' x 4', 3 LAMP LAY-IN PARABOLIC FIXTURE AND SALVAGE FOR RELOCATION TO NEW CEILING. RETAIN EXISTING CIRCUITS FOR CONNECTION TO RELOCATED FIXTURES.
2. REMOVE EXISTING RECEPTACLES AND TELE/DATA OUTLETS FROM EXISTING WALL TO BE REMOVED. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, TELE/DATA CABLES, ETC.
3. EXISTING PANEL 'IL3' AND LIGHTING RELAY PANEL 'RP' ARE LOCATED IN ELECTRICAL ROOM 133, APPROXIMATELY 100 FT SOUTH OF BUILDING GRID '3' AT GRID 'D'.
4. INSTALL 2' x 4', 3 LAMP LAY-IN PARABOLIC FIXTURES SALVAGED FROM DEMOLITION, RECONNECT EXISTING CIRCUITS, AND PROVIDE NEW SUPPORTS. CLEAN AND RELAMP FIXTURES AND LEAVE IN PROPER WORKING ORDER.
5. MODIFY EXISTING LIGHTING RELAY PANEL 'RP' PROGRAMMING TO CONTROL RELOCATED FIXTURES WITH EXISTING GAME ROOM LIGHTING.
6. EXISTING EXTERIOR LIGHTING CONTROL CIRCUIT TO REMAIN, BELIEVED TO BE CONNECTED TO EXISTING PANEL '2B' ON SECOND LEVEL.
7. EXISTING IN-GROUND JUNCTION BOX. RELOCATE AND RECONNECT AS REQUIRED TO ALLOW INSTALLATION OF NEW SCULPTURE. FIELD VERIFY REQUIREMENTS WITH ARCHITECT.
8. EXISTING GFCI RECEPTACLE MOUNTED ON CONDUIT STUB-UP. RELOCATE AND RECONNECT AS REQUIRED TO ALLOW INSTALLATION OF NEW SCULPTURE. FIELD VERIFY REQUIREMENTS WITH ARCHITECT. PROVIDE NEW "RAINTIGHT WHILE IN USE" COVER.
9. REMOVE EXISTING 400 WATT METAL HALIDE FLAGPOLE FLOODLIGHTS INCLUDING ALL ABANDONED WIRING,CONDUIT, ETC..
10. PROVIDE NEW 2 #10, 1 #10 GND, 3/4" PVC UNDERGROUND FROM EXISTING JUNCTION BOX TO NEW FLOODLIGHT FIXTURES.
11. DRILL EXISTING PLANTER FOUNDATION WALL FOR NEW CONDUIT PENETRATION. PLANTER WALL IS APPROXIMATELY 4 FT ABOVE ADJACENT SIDEWALK.
12. INSTALL NEW CONDUIT UNDER EXISTING SIDEWALK BY HORIZONTAL BORING OR OTHER MEANS ACCEPTABLE TO ARCHITECT WHICH WILL NOT DAMAGE EXISTING SIDEWALK.
13. FIELD VERIFY EXACT LOCATION OF NEW FLOODLIGHT FIXTURES F-15 WITH ARCHITECT PRIOR TO INSTALLATION. AIM FLOODLIGHTS AT NIGHT TO ILLUMINATE NEW SCULPTURE AS DIRECTED BY ARCHITECT.
14. LOCATE NEW FLAGPOLE FLOODLIGHT FIXTURES F-16 BEHIND RELOCATED BUILDING IDENTIFICATION SIGN. FIELD VERIFY EXACT LOCATION WITH ARCHITECT. AIM FLOODLIGHTS AT NIGHT TO ILLUMINATE FLAGS AS DIRECTED BY ARCHITECT.
15. RELOCATE EXISTING CEILING MOUNTED FIRE ALARM SYSTEM DETECTORS AND HORN/STROBE FROM EXISTING CEILING TO NEW CEILING AS SHOWN ON NEW ELECTRICAL PLAN. PROVIDE TEMPORARY SUPPORTS AND CONNECTIONS AS REQUIRED TO KEEP EXISTING FIRE ALARM SYSTEM OPERATIONAL AS REQUIRED BY THE GENERAL FIRE ALARM NOTES, SHEET FA101.
16. RELOCATED CEILING MOUNTED DETECTOR. INSTALL IN NEW CEILING AND RECONNECT EXISTING SIGNALING CIRCUIT.
17. RELOCATED CEILING MOUNTED HORN/STROBE. INSTALL IN NEW CEILING AND RECONNECT EXISTING NOTIFICATION APPLIANCE CIRCUIT.



A1 TYPICAL FLOODLIGHT DETAIL
SCALE: 1" = 1'-0"



A3 NORTH ENTRY SITE ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	July 9, 2008
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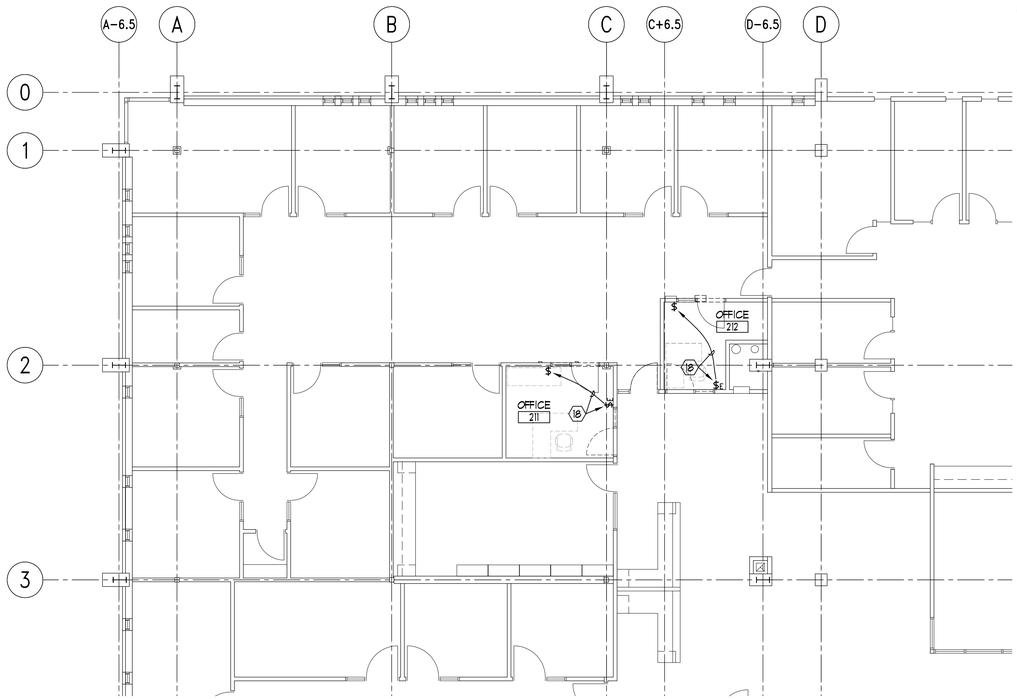
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

GAME ROOM AND NORTH ENTRY SITE ELECTRICAL PLANS

E-103

SHEET 3 OF 10 (ELECT)

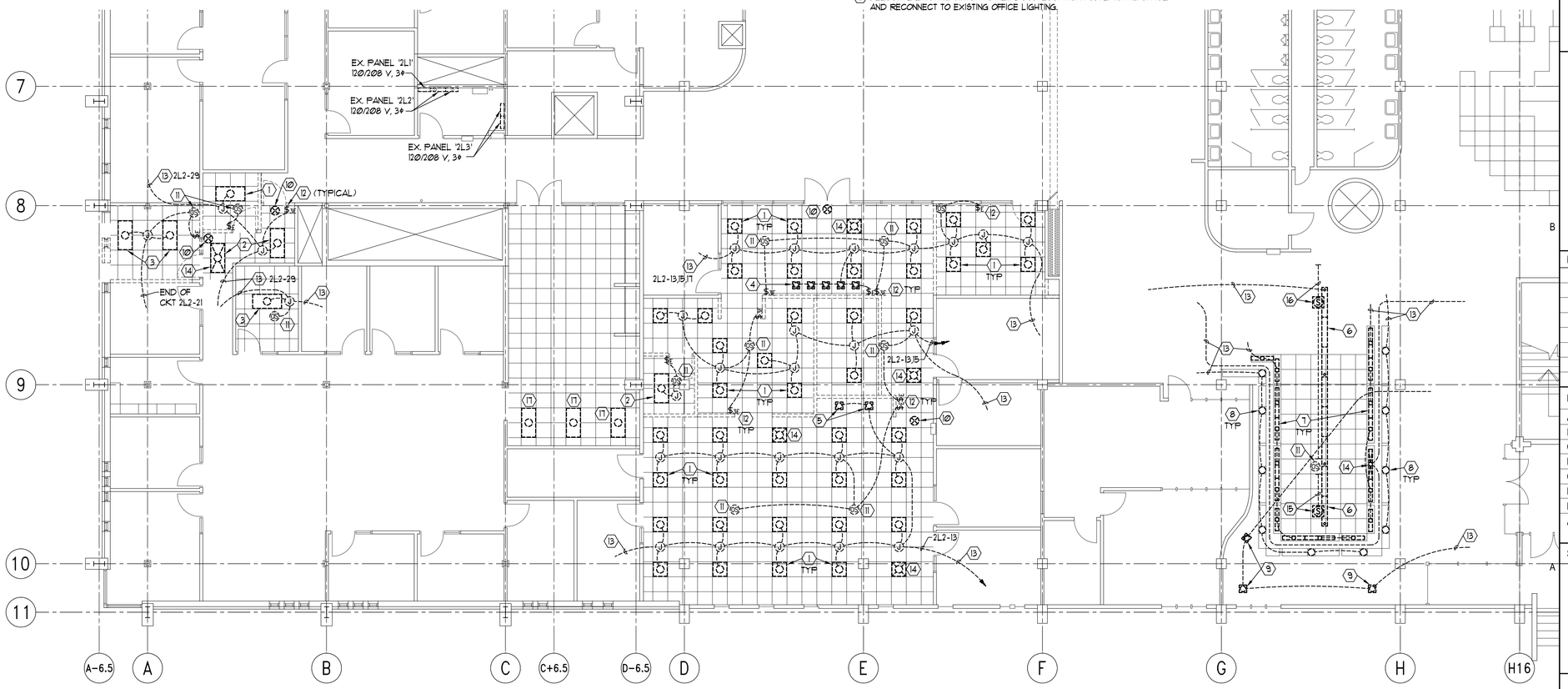


KEYED NOTES:

1. REMOVE EXISTING 2'x2', 2 LAMP FIXTURE INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
2. REMOVE EXISTING 2'x4', 2 LAMP FIXTURE INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
3. REMOVE EXISTING 2'x4', 4 LAMP FIXTURE INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
4. REMOVE EXISTING LOW VOLTAGE ADJUSTABLE DOWNLIGHT AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
5. REMOVE EXISTING 42 WATT RECESSED COMPACT FLUORESCENT FIXTURE INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
6. REMOVE EXISTING 3 LAMP ROW SUSPENDED INDIRECT FLUORESCENT FIXTURE AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
7. REMOVE EXISTING 2 LAMP ROW STAGGERED FLUORESCENT STRIPLIGHTS FROM EXISITNG LIGHT COVE AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
8. REMOVE EXISTING SURFACE INCANDESCENT FIXTURE WITH 35 WATT SELF-BALLASTED COMPACT FLUORESCENT AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
9. REMOVE EXISTING RECESSED LOW VOLTAGE DOWNLIGHT INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
10. REMOVE EXISTING CEILING MOUNTED EXIT LIGHT AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
11. REMOVE EXISTING CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR AND SWITCHPACK AND SALVAGE FOR USE IN NEW CONSTRUCTION. REMOVE ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
12. REMOVE EXISTING SWITCHES INCLUDING ALL ABANDONED WIRE, CONDUIT, BOXES, SUPPORTS, ETC..
13. SEE SECOND FLOOR LIGHTING PLAN, SHEET EL103, FOR RECONNECTION OF EXISTING CIRCUITS TO ADJACENT ROOMS.
14. EXISTING FIXTURE CONNECTED TO EXISTING EMERGENCY PANEL 'EL6' LOCATED IN BASEMENT ELECTRICAL ROOM. MAKE TEMPORARY CONNECTIONS AS REQUIRED TO KEEP EXISTING EMERGENCY LIGHTING CIRCUIT TO ADJACENT AREAS INTACT THROUGHOUT CONSTRUCTION.
15. REMOVE EXISTING SPEAKER INCLUDING ALL ABANDONED WIRING, CONDUIT, BOXES, ETC..
16. EXISTING SPEAKER AND CIRCUIT TO ADJACENT SPEAKER TO REMAIN.
17. REMOVE 3 EXISTING FIXTURES TO ALLOW INSTALLATION OF NEW FULL HEIGHT CABINETS. RELOCATED FIXTURES AS SHOWN ON SHEET EL101.
18. RELOCATE EXISTING SWITCH TO NEW DOOR LOCATION FOR EXISTING OFFICE AND RECONNECT TO EXISTING OFFICE LIGHTING.

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. REMOVE ALL EXISTING FIXTURES, OUTLETS, SWITCHES, ETC., SHOWN, EXCEPT WHERE SPECIFICALLY NOTED TO REMAIN OR BE RELOCATED.
4. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
6. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



A1 SECOND FLOOR LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

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REDWOOD CAMPUS

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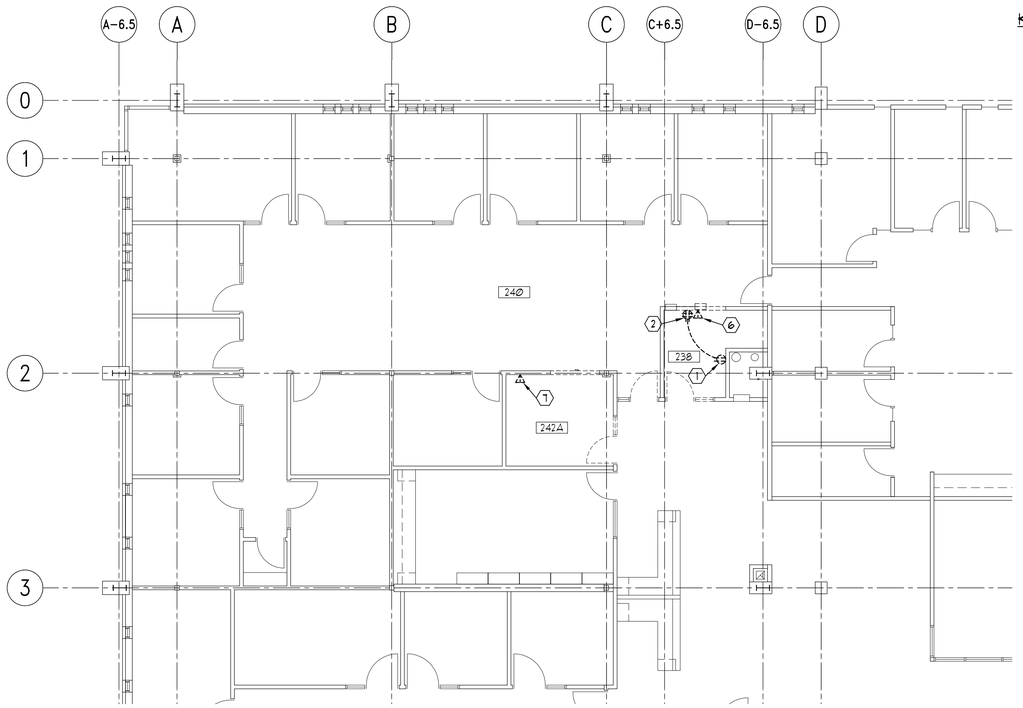
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	0762 E-104.dwg
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR LIGHTING DEMOLITION PLAN

ED101

SHEET 4 OF 10 (ELECT)



KEYED NOTES:

1. EXISTING RECEPTACLE TO REMAIN. REMOVE EXISTING BRANCH CIRCUIT TO ADJACENT RECEPTACLES TO BE REMOVED. SEE NEW POWER PLAN, SHEET EPØ1 FOR RECONNECTION OF BRANCH CIRCUIT.
2. REMOVE EXISTING RECEPTACLES FROM EXISTING WALLS TO BE REMOVED. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC..
3. REMOVE EXISTING RECEPTACLE INCLUDING ABANDONED WIRING, CONDUIT, BOXES, ETC.. EXISTING OUTLET BOX MAY REMAIN IN EXISTING WALL WITH ALL WIRING REMOVED, TO BE COVERED BY NEW FULL HEIGHT CABINETS.
4. REMOVE EXISTING RECEPTACLE INCLUDING ABANDONED WIRING, CONDUIT, BOXES, ETC.. EXISTING OUTLET BOX MAY REMAIN IN EXISTING COLUMN WITH ALL WIRING REMOVED, TO BE COVERED BY NEW WALL.
5. REMOVE EXISTING POKE-THRU FLOOR OUTLET AND SALVAGE FOR USE IN NEW CONSTRUCTION AS SHOWN ON NEW POWER PLAN, SHEET EPØ1. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.. REMOVE TELE/DATA CABLES COMPLETE TO EXISTING TELE/DATA ROOM 236Q. SEAL EXISTING CONCRETE FLOOR WITH NON-SHRINK GROUT, COORDINATE REQUIREMENTS WITH ARCHITECT AND GENERAL CONTRACTOR.
6. REMOVE EXISTING TELE/DATA OUTLET FROM EXISTING WALL TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT, BOXES, ETC.. REMOVE EXISTING CABLES COMPLETE TO EXISTING TELE/DATA ROOM 236Q. COORDINATE WITH OWNER PRIOR TO BEGINNING WORK IF EXISTING CABLES WILL BE USED TO SERVE NEW TELE/DATA OUTLETS SHOWN ON NEW POWER PLAN, SHEET EPØ1.
7. REMOVE EXISTING TELEPHONE/DATA OUTLET INCLUDING CABLES TO EXISTING TELE/DATA ROOM 236Q. INSTALL BLANK COVERPLATE ON EXISTING OUTLET BOX TO MATCH COLOR OF WALL. COORDINATE WITH OWNER PRIOR TO BEGINNING WORK IF EXISTING CABLES WILL BE USED TO SERVE NEW TELE/DATA OUTLETS SHOWN ON NEW POWER PLAN, SHEET EPØ1.

GENERAL NOTES:

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
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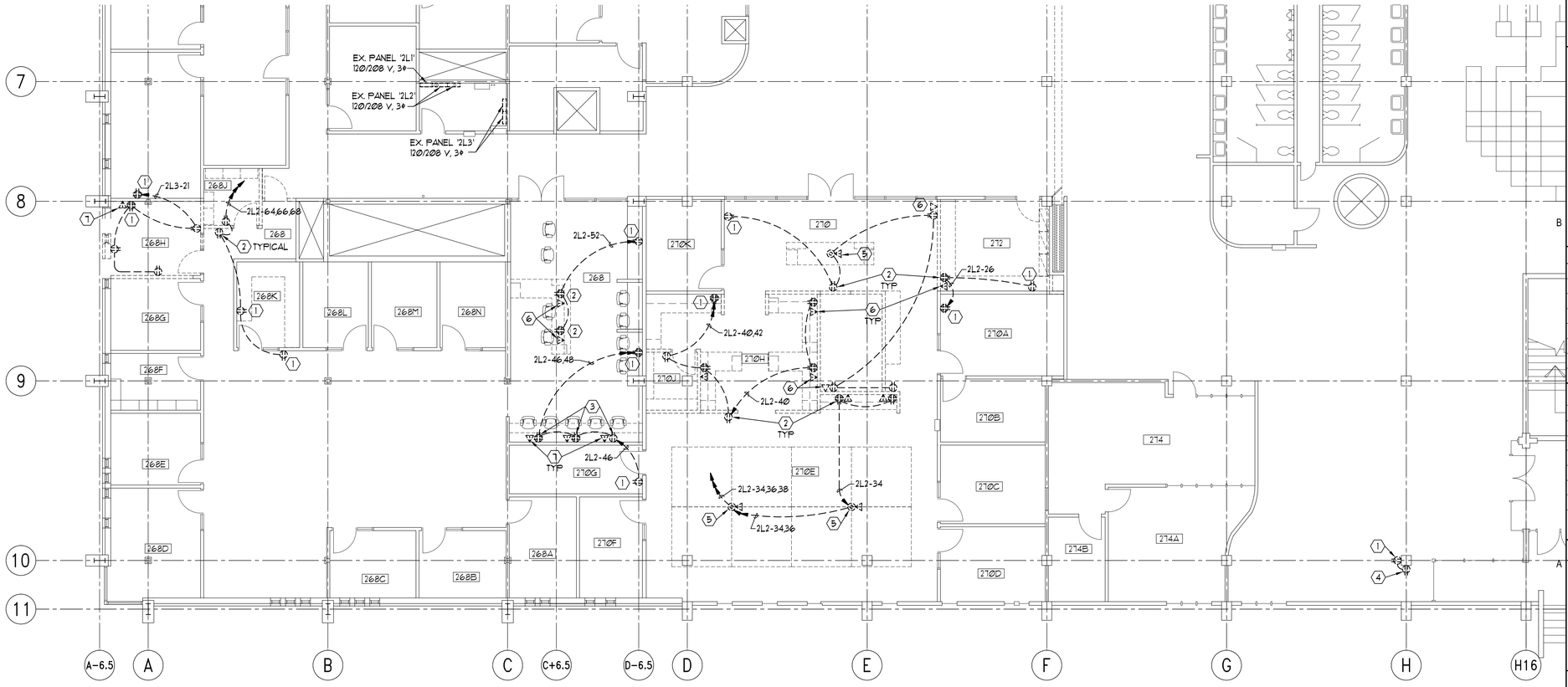
3. REMOVE ALL EXISTING FIXTURES, OUTLETS, SWITCHES, ETC., SHOWN, EXCEPT WHERE SPECIFICALLY NOTED TO REMAIN OR BE RELOCATED.
4. CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT WIRING AND RACEWAYS WHERE CONVENIENT TO CONNECT TO NEW ELECTRICAL DEVICES ONLY IF THE EXISTING WIRING AND RACEWAYS ARE IN GOOD CONDITION AND MEET DIVISION 16 SPECIFICATION REQUIREMENTS FOR NEW WIRING AND RACEWAYS.
5. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, FURNISH AND INSTALL NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
6. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE OWNER FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
7. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



A1 SECOND FLOOR POWER DEMOLITION PLAN

SCALE: 1/8" = 1'-Ø"

0 4' 8' 16'

N

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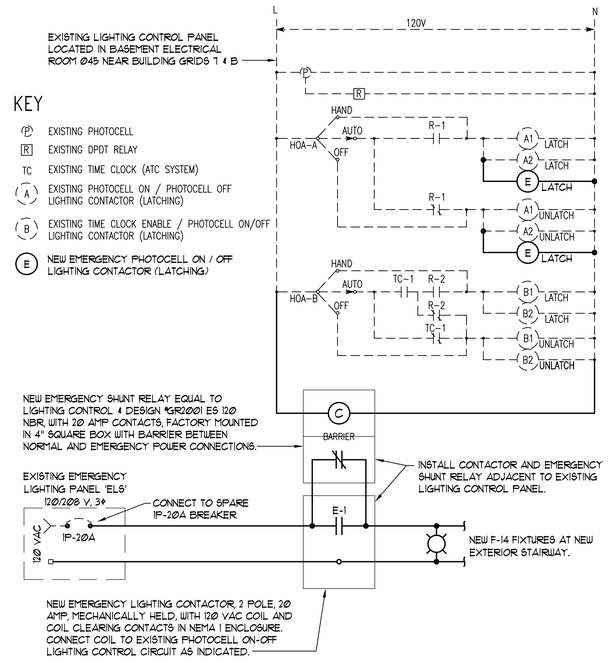
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR POWER DEMOLITION PLAN

ED102

SHEET 5 OF 10 (ELECT)



C1 NEW EXTERIOR STAIR EMERGENCY LIGHTING CONTROL WIRING DIAGRAM
SCHEMATIC

KEYED NOTES:

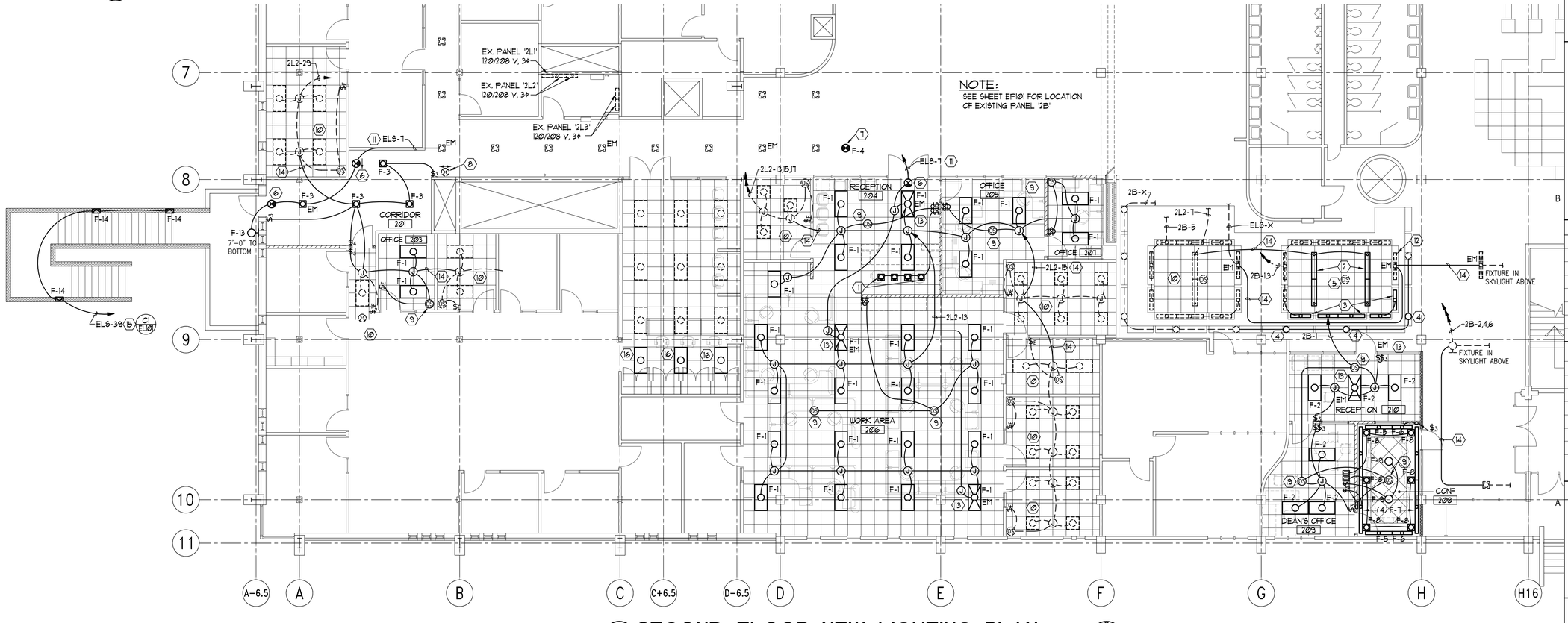
1. INSTALL LOW VOLTAGE ADJUSTABLE DOWNLIGHTS SALVAGED FROM DEMOLITION IN NEW CEILING AND CIRCUIT AS SHOWN. CLEAN FIXTURE, RELAMP WITH NEW 50 WATT MR16 LAMP AND LEAVE IN PROPER WORKING ORDER.
2. INSTALL 3 LAMP ROW SUSPENDED INDIRECT FLUORESCENT FIXTURE SALVAGED FROM DEMOLITION IN EXISTING CEILING AND RECONNECT EXISTING CIRCUIT. PROVIDE NEW CORDS AND/OR SUPPORTS AS REQUIRED FOR INSTALLATION. CLEAN FIXTURES, RELAMP WITH NEW F32T8 LAMPS AND LEAVE IN PROPER WORKING ORDER. PROVIDE 2 NEW END CAPS FROM ORIGINAL FIXTURE MANUFACTURER TO FINISH ROW ENDS.
3. INSTALL 2 LAMP ROW STAGGERED FLUORESCENT STRIPLIGHTS IN NEW OR MODIFIED LIGHT COVE AND RECONNECT EXISTING CIRCUIT. CLEAN FIXTURES, RELAMP WITH NEW F25 OR F32 'T8' LAMPS AS REQUIRED, AND LEAVE IN PROPER WORKING ORDER.
4. INSTALL SURFACE INCANDESCENT FIXTURES SALVAGED FROM DEMOLITION IN NEW MODIFIED LIGHT COVE AND RECONNECT EXISTING CIRCUIT. RELAMP WITH NEW 35 WATT SELF BALLASTED COMPACT FLUORESCENT LAMPS TO MATCH EXISTING LAMPS AND LEAVE IN PROPER WORKING ORDER.
5. EXISTING OCCUPANCY SENSOR AND SWITCHPACK TO REMAIN. RECONNECT TO CONTROL MODIFIED COVE LIGHTING AS REQUIRED.
6. INSTALL CEILING MOUNTED EXIT LIGHT SALVAGED FROM DEMOLITION AND CONNECT TO EMERGENCY LIGHTING CIRCUIT AS INDICATED.
7. REPLACE EXISTING SINGLE FACE EXIT LIGHT WITH NEW DOUBLE FACE EXIT SIGN AT THE SAME LOCATION AND RECONNECT EXISTING CIRCUIT.
8. REMOVE KNOCKOUT ARROW IN EXISTING EXIT LIGHT TO INDICATE NEW DIRECTION OF EXIT.
9. INSTALL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSORS AND SWITCHPACKS SALVAGED FROM DEMOLITION AND CONNECT TO CONTROL NEW LIGHTING AS SHOWN. CONNECT ROOM SWITCHES TO LOAD SIDE OF SWITCHPACK FOR LOCAL "OFF" CONTROL OF LIGHTING.
10. EXISTING FIXTURES, SWITCHES, ETC., IN EXISTING ROOM TO REMAIN. SHOWN FOR CIRCUITING REFERENCE ONLY.

KEYED NOTES:

11. CONNECT NEW EMERGENCY LIGHTING TO EXISTING EMERGENCY CIRCUIT AS INDICATED. FIELD VERIFY EXISTING CIRCUIT CAPACITY PRIOR TO BEGINNING WORK.
12. REMOVE EXISTING NORMAL POWER BRANCH CIRCUIT TO EXISTING FIXTURE AND CONNECT TO EMERGENCY BRANCH CIRCUIT AS INDICATED.
13. CONNECT 1 INSIDE LAMP OF NEW FIXTURE TO EMERGENCY LIGHTING CIRCUIT. CIRCUIT AND SWITCH OUTSIDE LAMPS WITH GENERAL ROOM LIGHTING.
14. RECONNECT EXISTING BRANCH CIRCUIT INTERRUPTED BY DEMOLITION.
15. CONNECT NEW STEPLIGHTS TO EXISTING EMERGENCY PANEL 'ELS' THROUGH NEW EXTERIOR EMERGENCY LIGHTING CONTROL PANEL IN BASEMENT ELECTRICAL ROOM NEAR GRIDS 7 & B. SEE CONTROL WIRING DIAGRAM THIS SHEET. SAWCUT, REMOVE, AND REPAIR EXISTING CONCRETE BETWEEN NEW STAIR AND EXISTING BUILDING AS REQUIRED TO INSTALL NEW UNDERGROUND CONDUIT INTO BUILDING.
16. INSTALL FIXTURES REMOVED TO ALLOW INSTALLATION OF NEW FULL HEIGHT CABINETS. RECONNECT EXISTING CIRCUIT.

GENERAL NOTES:

1. COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
2. CONNECT F-1 & F-2 FIXTURES WITH TWO OUTSIDE LAMPS CONTROLLED BY ONE SWITCH AND INSIDE LAMP(S) CONTROLLED BY SECOND SWITCH.
3. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



A1 SECOND FLOOR NEW LIGHTING PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

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DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR NEW LIGHTING PLAN

EL101

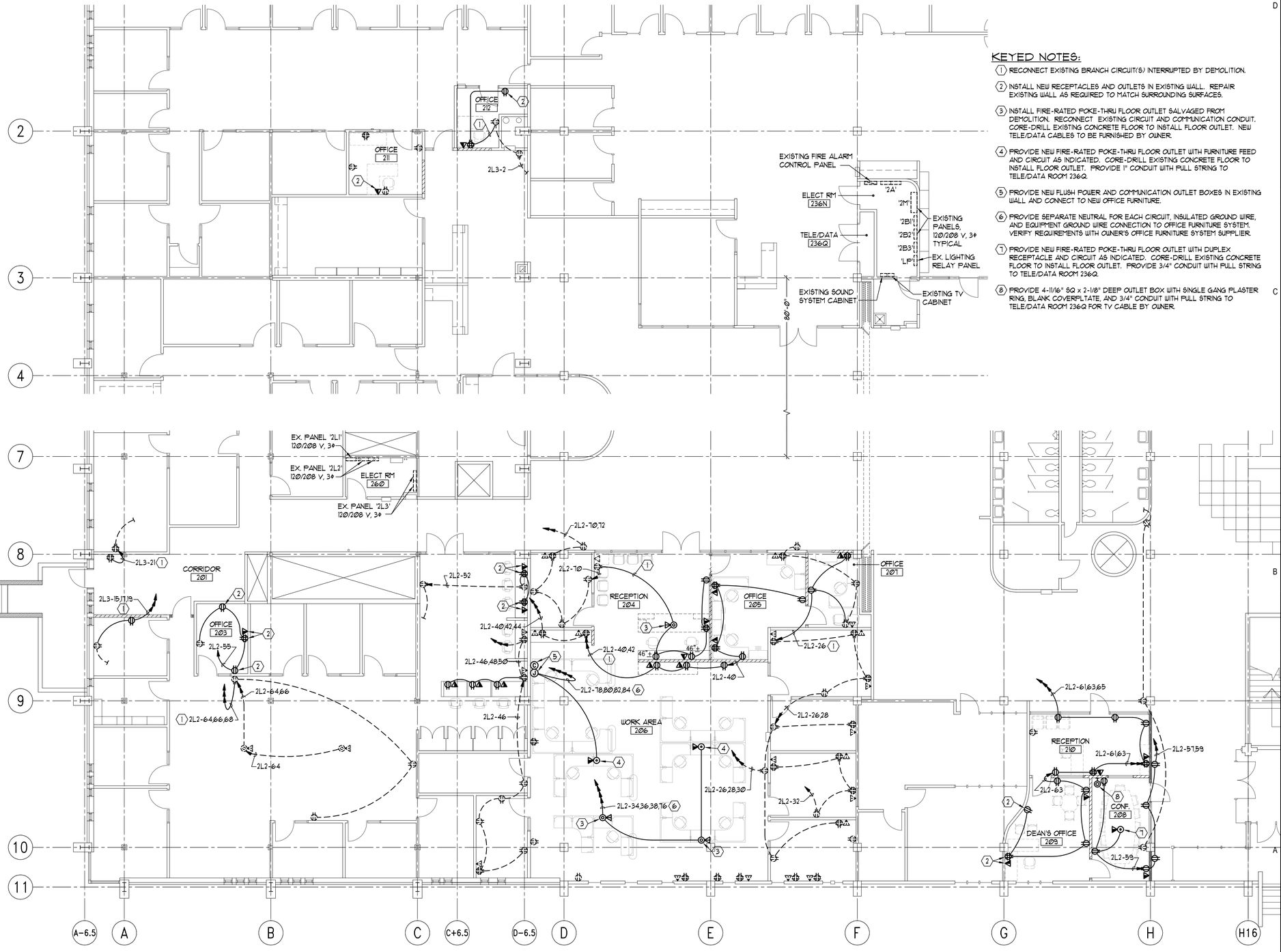
SHEET 6 OF 10 (ELECT)

GENERAL NOTES:

1. ALL EXISTING RECEPTACLES AND OUTLETS SHOWN ON THIS SHEET ARE TO REMAIN UNLESS NOTED OTHERWISE. FIELD VERIFY EXISTING CIRCUITING WHERE NOT INDICATED.
2. FIELD COORDINATE LOCATION OF ALL NEW RECEPTACLES AND OUTLETS WITH MILLWORK AND OWNER'S FURNITURE LOCATIONS PRIOR TO ROUGHING IN.
3. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

KEYED NOTES:

1. RECONNECT EXISTING BRANCH CIRCUIT(S) INTERRUPTED BY DEMOLITION.
2. INSTALL NEW RECEPTACLES AND OUTLETS IN EXISTING WALL. REPAIR EXISTING WALL AS REQUIRED TO MATCH SURROUNDING SURFACES.
3. INSTALL FIRE-RATED POKE-THRU FLOOR OUTLET SALVAGED FROM DEMOLITION. RECONNECT EXISTING CIRCUIT AND COMMUNICATION CONDUIT. CORE-DRILL EXISTING CONCRETE FLOOR TO INSTALL FLOOR OUTLET. NEW TELE/DATA CABLES TO BE FURNISHED BY OWNER.
4. PROVIDE NEW FIRE-RATED POKE-THRU FLOOR OUTLET WITH FURNITURE FEED AND CIRCUIT AS INDICATED. CORE-DRILL EXISTING CONCRETE FLOOR TO INSTALL FLOOR OUTLET. PROVIDE 1" CONDUIT WITH PULL STRING TO TELE/DATA ROOM 236Q.
5. PROVIDE NEW FLUSH POWER AND COMMUNICATION OUTLET BOXES IN EXISTING WALL AND CONNECT TO NEW OFFICE FURNITURE.
6. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT, INSULATED GROUND WIRE, AND EQUIPMENT GROUND WIRE CONNECTION TO OFFICE FURNITURE SYSTEM. VERIFY REQUIREMENTS WITH OWNER'S OFFICE FURNITURE SYSTEM SUPPLIER.
7. PROVIDE NEW FIRE-RATED POKE-THRU FLOOR OUTLET WITH DUPLEX RECEPTACLE AND CIRCUIT AS INDICATED. CORE-DRILL EXISTING CONCRETE FLOOR TO INSTALL FLOOR OUTLET. PROVIDE 3/4" CONDUIT WITH PULL STRING TO TELE/DATA ROOM 236Q.
8. PROVIDE 4-11/16" SQ x 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG PLASTER RING, BLANK COVERPLTATE, AND 3/4" CONDUIT WITH PULL STRING TO TELE/DATA ROOM 236Q FOR TV CABLE BY OWNER.



A1 SECOND FLOOR NEW POWER PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	July 9, 2008
AGENCY PROJECT NO:	07353660
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DRAWN BY:	W.B.G.
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SHEET TITLE

SECOND FLOOR NEW POWER PLAN

EP101

SHEET 7 OF 10 (ELECT)

SYMBOL LIST

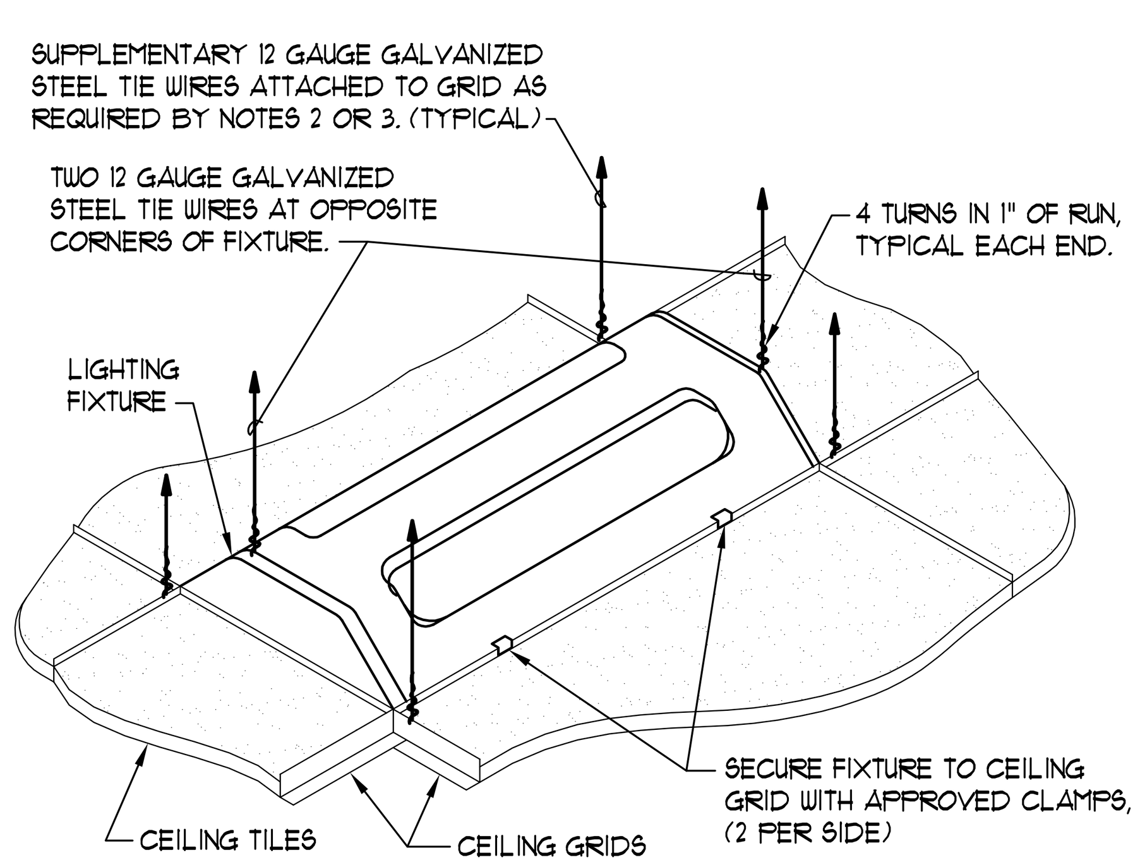
SYMBOL	DESCRIPTION
	NEW CEILING MOUNTED FIXTURE
	NEW WALL MOUNTED FIXTURE
	NEW RECESSED FIXTURE
	RELOCATED RECESSED ADJUSTABLE FIXTURE
	NEW FLUORESCENT FIXTURE
	NEW EXIT LIGHT WITH ARROW INDICATING DIRECTION OF EXIT
	NEW RECESSED STEPLIGHT
	EXISTING CEILING MOUNTED FIXTURE
	EXISTING WALL MOUNTED FIXTURE
	EXISTING RECESSED FIXTURE
	EXISTING RECESSED ADJUSTABLE FIXTURE
	EXISTING FLUORESCENT FIXTURE
	EXISTING EXIT LIGHT
J	EXISTING LIGHT TRACK
EM	FIXTURE CONNECTED TO UNSWITCHED EMERGENCY LIGHTING CIRCUIT
$	NEW SINGLE POLE SWITCH
$3	NEW THREE WAY SWITCH
D	NEW ELECTRONIC FLUORESCENT DIMMER
$M	NEW OCCUPANCY SENSOR WALL SWITCH
OS	RELOCATED (OR NEW) CEILING MOUNTED OCCUPANCY SENSOR WITH SWITCHPACK
PC	NEW PHOTODIODE SENSOR
PC	NEW PHOTODIODE SENSOR CONTROLLER
SP	NEW PHOTODIODE SENSOR SWITCHPACK
$E	EXISTING SINGLE POLE SWITCH
$3E	EXISTING THREE WAY SWITCH
$a	SWITCH WITH LETTER INDICATING CONTROLLED FIXTURES
J	NEW JUNCTION BOX
J	EXISTING JUNCTION BOX
	NEW DUPLEX CONVENIENCE OUTLET
	NEW DOUBLE DUPLEX CONVENIENCE OUTLET
	NEW FLOOR OUTLET, COMBINATION POWER & TELEPHONE/DATA
	RELOCATED FLOOR OUTLET, COMBINATION POWER & TELEPHONE/DATA
	EXISTING DUPLEX CONVENIENCE OUTLET
	EXISTING DOUBLE DUPLEX CONVENIENCE OUTLET
	EXISTING FLOOR OUTLET, COMBINATION POWER & TELEPHONE/DATA
	NEW TELEPHONE/DATA OUTLET
	EXISTING TELEPHONE/DATA OUTLET
	EXISTING TELEPHONE OUTLET
	EXISTING POWER PANELBOARD, 120/208 VOLT, 3 PHASE
A-1,3,5,7	NEW 3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
	NEW BRANCH CIRCUIT CONCEALED IN WALL, CEILING, OR FLOOR
	NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
	EXISTING BRANCH CIRCUIT
F-2	FIXTURE SCHEDULE SYMBOL
1	KEYED NOTE SYMBOL
102	ROOM NUMBER
WP	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE

FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NO.	DESCRIPTION	LAMP
F-1	COLUMBIA DAY-BRITE LIGHTOLIER LSI METALUX	P224-332G-LD18-S-EP-U 2P3GS332-18AL-UNV-1/21-EB10R-2WC DPS2G18LP332-UNV-HI-PS N2PG-18-332-FD-SSOR-UE 2EP3GX-332-S18I-UNV-ER82-2BC	2' x 4', 3 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLOATING DOOR WITH BLACK REVEAL, FULL 3" DEEP, 18 CELL LOW IRIDESCENCE SEMI-SPECULAR ALUMINUM LOUVER, DUAL CHANNEL WIREWAY COVERS (REFLECTORS), ONE 2 LAMP & ONE 1 LAMP, <10% THD, PROGRAMMED START ELECTRONIC BALLASTS WIRED FOR INBOARD/OUTBOARD LAMP OPERATION.	3F32T8/TL835
F-2	ALERA DAY-BRITE LIGHTOLIER LITHONIA LSI METALUX	LUM24-332G-MPO-EP-U 2AVG332-PMW-UNV-1/21-EB10R QVS2GPF-UNV-HI-PS 2AVG-332-MDR-MVOLT-GEB10RS 2LLCG-332-RPW-SSOR-UE 2RDI-332-RP-UNV-ER82	2' x 4', 3 LAMP LAY-IN DIRECT/INDIRECT FLOURESCENT FIXTURE WITH CENTER MOUNT PERFORATED METAL LAMP SHIELD, MATTE WHITE ACRYLIC OVERLAY, AND ONE 2 LAMP & ONE 1 LAMP, 277 VOLT, <10% THD ELECTRONIC BALLASTS WIRED FOR INBOARD/OUTBOARD LAMP OPERATION.	3F32T8/TL835
F-3	CAPRI DMF LIGHTING HALO LIGHTOLIER LITHONIA PRESCOLITE	CM8-FV26/32/42-U-V85 DHFV8-TRT-126/32/42-D826 H880E-870C 8022CCL-S7142B-U LP8F26-42TRT-802A-MVOLT-GEB10 LF8CFV32EB-8CFV	RECESSED COMPACT FLOURESCENT DOWNLIGHT WITH SPECULAR CLEAR LOW IRRIDESCENT ALZAK REFLECTOR, NOMINAL 8" DIAMETER APERATURE AND 120 VOLT <10% THD ELECTRONIC BALLAST.	1CFM42W/35K
F-4	DUAL-LITE EXITRONIX LIGHTOLIER LITHONIA MCPHILBEN SURE-LITES	SE-D-G-W G400U-LB-WW LD-A-2-G-W LE-S-W-2-G-120/277 30VL-2-W-G CX-6-2-G-W	UNIVERSAL MOUNTED, DOUBLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH DIE CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, UNIVERSAL KNOCKOUT CHEVRON ARROWS AND 120/277 DUAL VOLTAGE INPUT.	FURNISHED W/FIXTURE
F-5	DAY-BRITE DECO LIGHTOLIER LITHONIA LSI METALUX	N-132-UNV-1/1-EB10R DSN-1-32-UNV-1RS SN4S132-UNV-HI-PS S-132-MVOLT-GEB10RS S-132-SSOR-UE SN-132-UNV-ER81	4 FT, 1 LAMP SURFACE MOUNTED FLUORESCENT STRIPLIGHT WITH ONE 1 LAMP, <10% THD ELECTRONIC BALLAST.	1F32T8/TL835
F-6	DAY-BRITE DECO LIGHTOLIER LITHONIA LSI METALUX	N-125-UNV-1/1-EB10R DSN-1-25-UNV-1RS SN3125-UNV-HI-PS S-125-MVOLT-GEB10RS S125-SSOR-UE SN-125-UNV-ER81	6 FT, 1 LAMP SURFACE MOUNTED FLUORESCENT STRIPLIGHT WITH ONE 2 LAMP, <10% THD ELECTRONIC BALLAST.	1F25T8/TL835
F-7	DAY-BRITE DECO LIGHTOLIER LITHONIA LSI METALUX	TN-132-UNV-1/2-EB10R DSN-2T-32-UNV-1RS SN8T132-UNV-HI-PS TS-132-MVOLT-GEB10RS S132-2-SSOR-UE 8TSN-132-UNV-ER81	8 FT, 1 LAMP ROW, TANDEM, SURFACE MOUNTED FLUORESCENT STRIPLIGHT WITH ONE 2 LAMP, <10% THD ELECTRONIC BALLAST.	2F32T8/TL835
F-8	OMEGA	S6SRD1H26/32/42PLTDX1U-T6SRD1HCS	RECESSED COMPACT FLOURESCENT DOWNLIGHT WITH SPECULAR CLEAR LOW IRRIDESCENT ALZAK REFLECTOR, NOMINAL 6" APERATURE AND 120 VOLT ELECTRONIC DIMMING BALLAST EQUAL TO ADVANCE MARK X. COORDINATE DIMMER WITH SUPPLIED BALLAST. SUITABLE FOR INSTALLATION IN 2" x 6" STUD FRAMING.	1CFM26W/35K
F-9	LIGHTOLIER	40750PBUC	DECORATIVE PENDANT MOUNTED FIXTURE WITH POLISHED BRASS FINISH, HAND CRAFTED NATURAL STONE ALABASTER LENS, WHITE CERAMIC COATED GLASS DIFFUSER, AND <10% THD ELECTRONIC BALLAST. CONTRACTOR ALLOWANCE: $527.65, FREIGHT NOT INCLUDED.	1CFM26W/35K
F-10	DAY-BRITE LIGHTOLIER	2SAVC-328-PMW-UNV-1/3-EB10R QVF-2-SPF-OP-328-UNV-HI-PS	2' x 4', 3 LAMP SURFACE MOUNTED DIRECT/INDIRECT FLOURESCENT FIXTURE WITH CENTER MOUNT PERFORATED METAL LAMP SHIELD, MATTE WHITE ACRYLIC OVERLAY, AND ONE 3 LAMP, <10% THD ELECTRONIC BALLAST.	3F28T5/835
F-10A	DAY-BRITE LIGHTOLIER	2AVLG-328-PMW-UNV-1/3-EB10R QVH-2-G-PF-OP-328-UNV-HI-PS	2' x 4', 3 LAMP LAY-IN DIRECT/INDIRECT FLOURESCENT FIXTURE WITH CENTER MOUNT PERFORATED METAL LAMP SHIELD, MATTE WHITE ACRYLIC OVERLAY, AND ONE 3 LAMP, <10% THD ELECTRONIC BALLAST. TO MATCH EXISTING CORRIDOR FIXTURES	3F28T5/835
F-11	COLUMBIA DAY-BRITE LIGHTOLIER LITHONIA LSI METALUX	WC4-232-EP-U CAN-232-UNV-1/2-EB10R WA4A-232-UNV-H1-PS LB232-MVOLT-GEB10RS F9-232-A-SSOR-UE WS232A-UNV-ER81	4 FT, 2 LAMP SURFACE MOUNTED 'WRAPAROUND' FLUORESCENT FIXTURE WITH ACRYLIC PRISMATIC LENS AND ONE 2 LAMP <10% THD ELECTRONIC BALLAST.	2F32T8/TL835
F-12	HOLOPHANE	TF-175MH-12-ELE-EM	RECESSED METAL HALIDE FIXTURE WITH DROP PRISMATIC GLASS REFRACTOR, SEGEMENTED SPECULAR REFLECTOR, WHITE FINISH, 120 VOLT HIGH POWER FACTOR BALLAST, AND QUARTZ RESTRIKE.	175 MH 100QT4DC
F-13	GARDCO	104-WT-100MH-120-BRP-QS	WALL MOUNTED METAL HALIDE FIXTURE WITH CLEAR TEMPERED GLASS LENS, SPECULAR REFELECTOR, DARK BRONZE FINISH, 120 VOLT HIGH POWER FACTOR BALLAST, AND QUARTZ RESTRIKE.	100 MH ED-17 100QT4DC
F-14	ALLSCAPE	SP10-100MH-E17-120-BZ-QS	WALL RECESSED MOUNTED METAL HALIDE FIXTURE WITH CAST ALUMINUM HOUSING AND FACEPLATE, CLEAR TEMPERED GLASS LENS, SPECULAR REFELECTOR, DARK BRONZE FINISH, AND 120 VOLT HIGH POWER FACTOR BALLAST, AND QUARTZ RESTRIKE.	100 MH ED-17 100QT4DC
F-15	GARDCO STERNER	DF7-ST-HFL-100MH-120-BRP-BD-POLY PL6-100MH-HPW-120-C-SW-ST-BD-SG-BZ	METAL HALIDE FLOODLIGHT WITH CAST ALUMINUM HOUSING, SPECULAR ALUMINUM REFELECTOR, HORIZONTAL FLOOD LIGHT DISTRIBUTION, CLEAR TEMPERED GLASS LENS, HEAVY DUTY KNUCKLE WITH INTEGRAL SPLICE COMPARTMENT, GLARE SHIELD, POLYCARBONATE VANDAL SHIELD, DARK BRONZE POWDER COAT FINISH, AND 120 VOLT HIGH POWER FACTOR BALLAST MOUNTED ON 18" STANCHION FOR DIRECT BURIAL IN CONCRETE.	100 MH ED-17
F-16	GARDCO STERNER	DF7-ST-NSP-100MH-120-BRP-BD-POLY PL6-100MH-SP-120-C-SW-ST-BD-SG-BZ	SAME AS F-15 EXCEPT WITH NARROW SPOT LIGHT DISTRIBUTION FOR FLAGPOLES.	100 MH ED-17

NOTES:

1. PROVIDE EXTRA MATERIAL STOCK OF LAMPS, LENSES, AND LOUVERS AS REQUIRED BY SPECIFICATION SECTION 16500.



FIXTURE SUPPORT NOTES:

1. ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING ANY DIRECTION.
2. FOR INTERMEDIATE DUTY CEILING SYSTEM, PROVIDE A SUPPLEMENTARY 12 GAUGE HANGER ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE AS SHOWN ON DETAIL. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
3. FOR HEAVY DUTY CEILING SYSTEM, SUPPLEMENTARY HANGERS ARE NOT REQUIRED IF A 48" MODULAR HANGER WIRE PATTERN IS USED AND THE LIGHTING FIXTURE IS SUPPORTED FROM MAIN TEES. SUPPLEMENTARY 12 GAUGE HANGERS ARE REQUIRED WHERE THE FIXTURE IS SUPPORTED FROM CROSS TEES WITH LESS CARRYING CAPACITY THAN THE MAIN TEES.
4. LIGHTING FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE, IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO 12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.
5. LIGHTING FIXTURES WEIGHING 56 LBS. OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
6. PENDANT HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING 9 GAUGE WIRES OR APPROVED ALTERNATE SUPPORT WITHOUT USING CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.
7. COORDINATE SUPPORT REQUIREMENTS AND HANGER WIRE INSTALLATION WITH CEILING CONTRACTOR.

A2 TYPICAL LIGHTING FIXTURE SUPPORT DETAIL

NOT TO SCALE

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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	July 9, 2008
AGENCY PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	0762 E-601.dwg
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SYMBOL LIST, SCHEDULES AND DETAILS

E-601

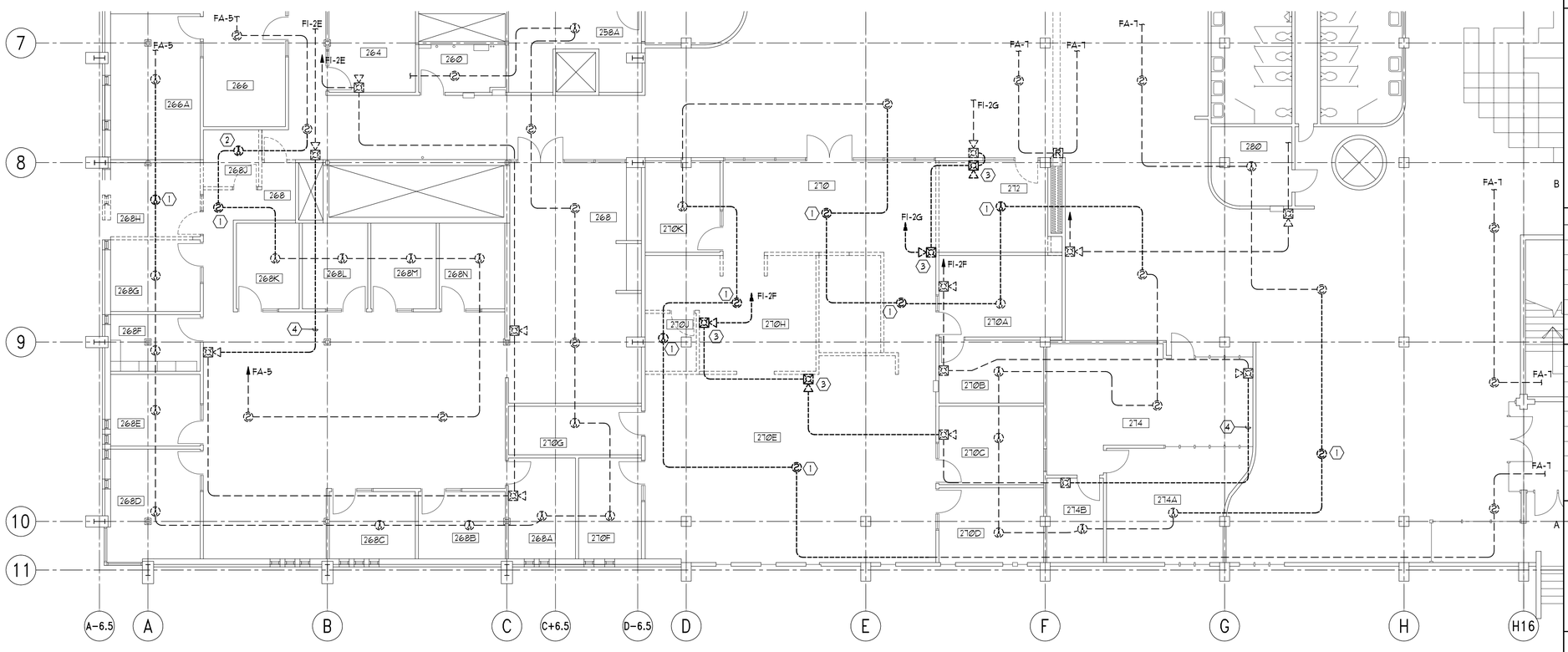
SHEET 8 OF 10 (ELECT)

KEYED NOTES:

1. RELOCATE EXISTING CEILING MOUNTED DETECTOR FROM EXISTING CEILING TO NEW CEILING AS SHOWN ON SHEET FAØ1. PROVIDE TEMPORARY SUPPORTS AND CONNECTIONS AS REQUIRED TO KEEP EXISTING FIRE ALARM SYSTEM OPERATIONAL AS REQUIRED BY THE GENERAL FIRE ALARM NOTES, THIS SHEET.
2. REMOVE EXISTING CEILING MOUNTED DETECTOR FROM EXISTING CEILING TO BE REMOVED. PROVIDE TEMPORARY SUPPORTS AND CONNECTIONS AS REQUIRED TO KEEP EXISTING FIRE ALARM SYSTEM OPERATIONAL AS REQUIRED BY GENERAL FIRE ALARM NOTES, THIS SHEET.
3. REMOVE EXISTING HORN/STROBE INCLUDING ABANDONED CONDUIT, WIRE, BOXES, ETC. PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO KEEP EXISTING NOTIFICATION APPLIANCES OUTSIDE OF CONSTRUCTION ARE OPERATIONAL.
4. INTERCEPT EXISTING NOTIFICATION APPLIANCE CIRCUIT AND EXTEND TO NEW NOTIFICATION APPLIANCES AS SHOWN ON SHEET FAØ1. REMOVE ALL ABANDONED WIRING, CONDUIT, BOXES, ETC.

GENERAL FIRE ALARM NOTES:

1. THE EXISTING BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC FIRE ALARM SYSTEM WHICH IS TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.
2. SUBMIT REQUESTS FOR FIRE ALARM SYSTEM OUTAGES TO THE SLCC FACILITIES PROJECT MANAGER NOT LESS THAN 7 DAYS PRIOR TO ANY PROPOSED FIRE ALARM OUTAGES. IMMEDIATELY NOTIFY THE SLCC FACILITIES PROJECT MANAGER IF THE FIRE ALARM IS UNINTENTIONALLY DISABLED AND IMMEDIATELY MAKE REPAIRS TO RESTORE THE SYSTEM TO AN OPERATIONAL CONDITION.
3. THE CONTRACTOR SHALL MAINTAIN A FIRE WATCH DURING ALL FIRE ALARM SYSTEM OUTAGES IN ACCORDANCE WITH IFC SECTION 9Ø1.7.
4. ANY WORK PERFORMED ON THE FIRE ALARM SYSTEM SHALL BE APPROVED IN ADVANCE BY THE FIRE ALARM SYSTEM FACTORY REPRESENTIVE. CONTACT NELSON FIRE SYSTEMS AT (8Ø1) 468-83ØØ.
5. PROTECT EXISTING SMOKE DETECTORS IN THE AREA OF CONSTRUCTION FROM EXCESSIVE DUST ACCUMULATION BY MEANS OF TEMPORARY DUST COVERS DURING DUST PRODUCING WORK OPERATIONS. REMOVE DUST COVERS IMMEDIATELY UPON COMPLETION OF DUST PRODUCING WORK.
6. CLEAN ALL EXISTING SMOKE DETECTORS AFFECTED BY CONSTRUCTION IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS UPON COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION.
7. TEST ALL SMOKE DETECTORS AFTER CLEANING AND PRIOR TO SUBSTANTIAL COMPLETION. TESTING SHALL BE PERFORMED BY A FACTORY AUTHORIZED AND TRAINED TECHNICIAN OF THE FIRE ALARM SYSTEM MANUFACTURER. CONTACT NELSON FIRE SYSTEMS AT (8Ø1) 468-83ØØ.
8. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
9. ALL EXISTING DETECTORS, NOTIFICATION APPLIANCES, ETC., SHOWN ON THE FIRE ALARM DEMOLITION PLAN ARE TO REMAIN UNLESS NOTED OTHERWISE.



A1 SECOND FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 1/8" = 1'-Ø"

0 4' 8' 16'

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SHEET TITLE

SECOND FLOOR FIRE ALARM DEMOLITION PLAN

FD101

SHEET 9 OF 10 (ELECT)

FIRE ALARM DEVICE LEGEND

SYMBOL	DESCRIPTION	HEIGHT	NOTES
CFP	EXISTING FIRE ALARM CONTROL PANEL (FACP)	72" TOP	
F	NEW ADDRESSABLE MANUAL PULL STATION	46" ¢	1
S	EXISTING ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC	CEILING	
S	RELOCATED (OR NEW) ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC	CEILING	
H	EXISTING ADDRESSABLE HEAT DETECTOR	CEILING	
H	RELOCATED (OR NEW) ADDRESSABLE HEAT DETECTOR	CEILING	
R	EXISTING FIRE SAFETY FUNCTION POWER RELAY	AS REQ'D	
DR	EXISTING MAGNETIC DOOR HOLDER / RELEASE		
DR	NEW MAGNETIC DOOR HOLDER / RELEASE	AS REQ'D	
	EXISTING HORN/STROBE		
	EXISTING STROBE		
15cd	NEW HORN/STROBE, INDICATING MINIMUM EFFECTIVE CANDLEPOWER (ECP)	84" ¢	2, 3
ANN	EXISTING REMOTE ANNUNCIATOR / CONTROL PANEL	56" TOP	

LEGEND NOTES:

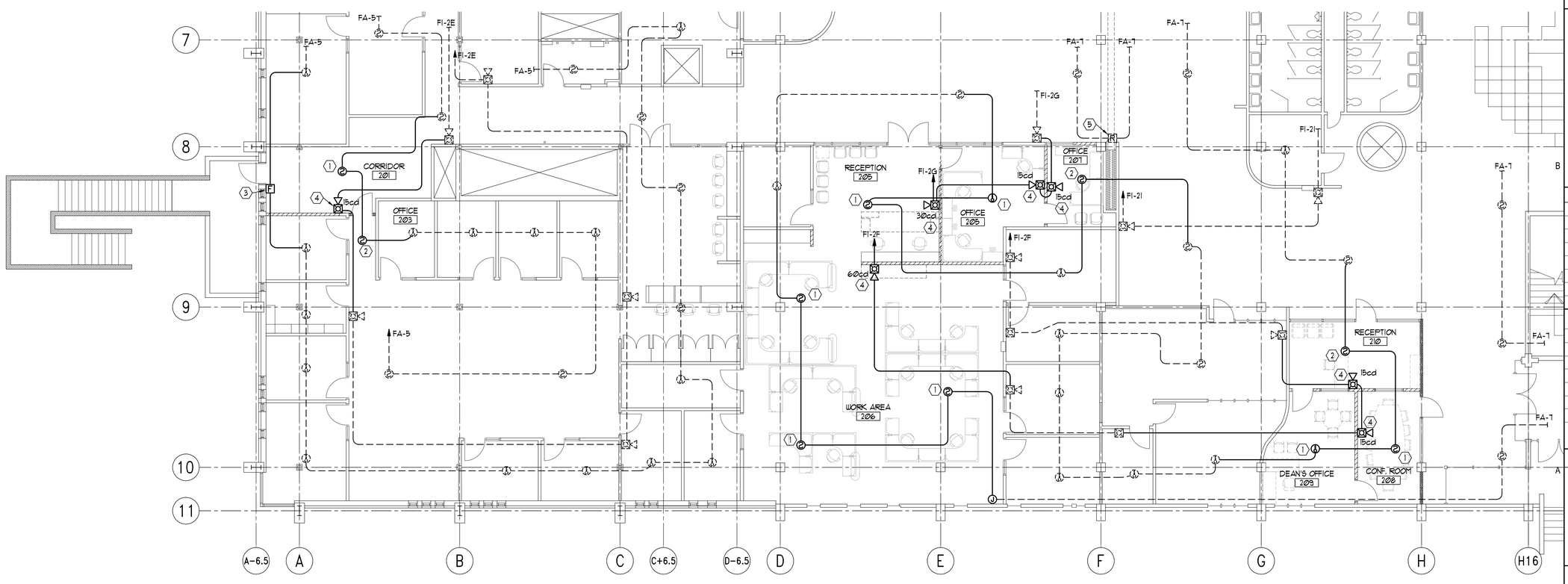
1. MOUNTING HEIGHT OF PULL STATIONS MAY BE REDUCED TO NOT LESS THAN 42" TO BOTTOM, OR INCREASED TO NOT MORE THAN 54" TO TOP, ABOVE FINISHED FLOOR WITH WRITTEN APPROVAL OF THE ENGINEER AND AHJ.
2. PROVIDE NOTIFICATION APPLIANCES IN ACCORDANCE WITH NFPA 72-2007, UL 1971, ANSI S3.41 & ANSI 117.1.
3. MOUNTING HEIGHT OF STROBES MAY BE REDUCED TO NOT LESS THAN 80" TO BOTTOM, OR INCREASED TO NOT MORE THAN 96" TO TOP, ABOVE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR SHALL BE INSTALLED 6" BELOW CEILING TO TOP OF STROBE, WHICHEVER IS LOWER, WITH WRITTEN APPROVAL OF THE ENGINEER AND AHJ.

KEYED NOTES:

1. RELOCATED CEILING MOUNTED DETECTOR. INSTALL IN NEW CEILING AND RECONNECT EXISTING SIGNALING CIRCUIT AS INDICATED.
2. PROVIDE NEW CEILING MOUNTED DETECTOR AND CONNECT TO EXISTING SIGNALING LINE CIRCUIT AS INDICATED.
3. PROVIDE NEW MANUAL PULL STATION AND CONNECT TO EXISTING SIGNALING LINE CIRCUIT AS INDICATED.
4. PROVIDE NEW HORN/STROBE AND CONNECT TO EXISTING NOTIFICATION APPLIANCE CIRCUIT AS INDICATED. HORN MAY BE TAPPED TO MINIMUM SETTING OR DISCONNECTED AS REQUIRED TO AVOID EXCESSIVE AUDIBLE ALARM LEVELS.
5. EXISTNG FIRE DOOR INTERLOCK RELAY TO REMAIN.

GENERAL FIRE ALARM NOTES:

1. THE EXISTING BUILDING IS PROTECTED THROUGHOUT BY AN AUTOMATIC FIRE ALARM SYSTEM WHICH IS TO REMAIN OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD.
2. SUBMIT REQUESTS FOR FIRE ALARM SYSTEM OUTAGES TO THE SLCC FACILITIES PROJECT MANAGER NOT LESS THAN 7 DAYS PRIOR TO ANY PROPOSED FIRE ALARM OUTAGES. IMMEDIATELY NOTIFY THE SLCC FACILITIES PROJECT MANAGER IF THE FIRE ALARM IS UNINTENTIONALLY DISABLED AND IMMEDIATELY MAKE REPAIRS TO RESTORE THE SYSTEM TO AN OPERATIONAL CONDITION.
3. THE CONTRACTOR SHALL MAINTAIN A FIRE WATCH DURING ALL FIRE ALARM SYSTEM OUTAGES IN ACCORDANCE WITH IFC SECTION 901.7.
4. ANY WORK PERFORMED ON THE FIRE ALARM SYSTEM SHALL BE APPROVED IN ADVANCE BY THE FIRE ALARM SYSTEM FACTORY REPRESENTIVE. CONTACT NELSON FIRE SYSTEMS AT (801) 468-8300.
5. PROTECT EXISTING SMOKE DETECTORS IN THE AREA OF CONSTRUCTION FROM EXCESSIVE DUST ACCUMULATION BY MEANS OF TEMPORARY DUST COVERS DURING DUST PRODUCING WORK OPERATIONS. REMOVE DUST COVERS IMMEDIATELY UPON COMPLETION OF DUST PRODUCING WORK.
6. CLEAN ALL EXISTING SMOKE DETECTORS AFFECTED BY CONSTRUCTION IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS UPON COMPLETION OF WORK AND PRIOR TO SUBSTANTIAL COMPLETION.
7. TEST ALL SMOKE DETECTORS AFTER CLEANING AND PRIOR TO SUBSTANTIAL COMPLETION. TESTING SHALL BE PERFORMED BY A FACTORY AUTHORIZED AND TRAINED TECHNICIAN OF THE FIRE ALARM SYSTEM MANUFACTURER. CONTACT NELSON FIRE SYSTEMS AT (801) 468-8300.
8. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
9. ALL EXISTING DETECTORS, NOTIFICATION APPLIANCES, ETC., SHOWN ON THE NEW FIRE ALARM PLAN ARE TO REMAIN UNLESS NOTED OTHERWISE.
10. SEE SHEET E-101 FOR ADDITIONAL FIRE ALARM WORK ON BASEMENT FLOOR.
11. SEE SHEETS E-102 AND E-103 FOR ADDITIONAL FIRE ALARM WORK ON FIRST FLOOR.
12. SEE SHEET EP101 FOR LOCATION OF EXISTING FIRE ALARM CONTROL PANEL IN ELECTRICAL ROOM 286N.



A1 SECOND FLOOR NEW FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

0 4' 8' 16'

N

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STUDENT CENTER IMPROVEMENTS

SALT LAKE COMMUNITY COLLEGE
REDWOOD CAMPUS

MARK	DATE	DESCRIPTION

DATE:	July 9, 2008
AGENCY PROJECT NO:	07353660
HFSA PROJECT NO:	0762.01
CAD DWG FILE NO:	0762 E-104.dwg
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
DESIGNED BY:	W.B.G.
DWG TYPE:	ELECTRICAL
ARCHITECTURAL PHASE:	CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR NEW FIRE ALARM PLAN

FA101

SHEET 10 OF 10 (ELECT)